

FIG. 1A

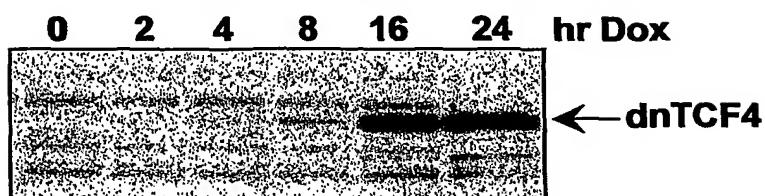


FIG. 1B

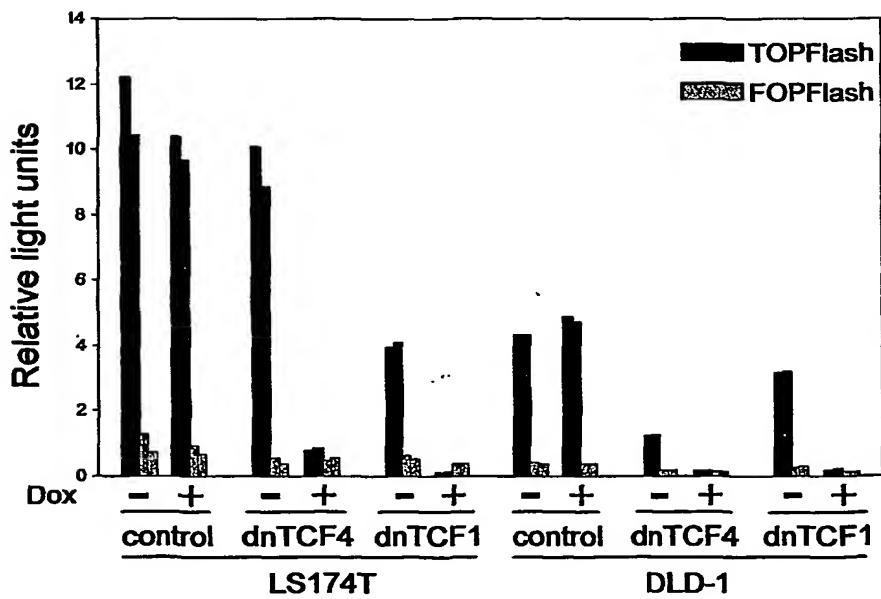


FIG. 1C

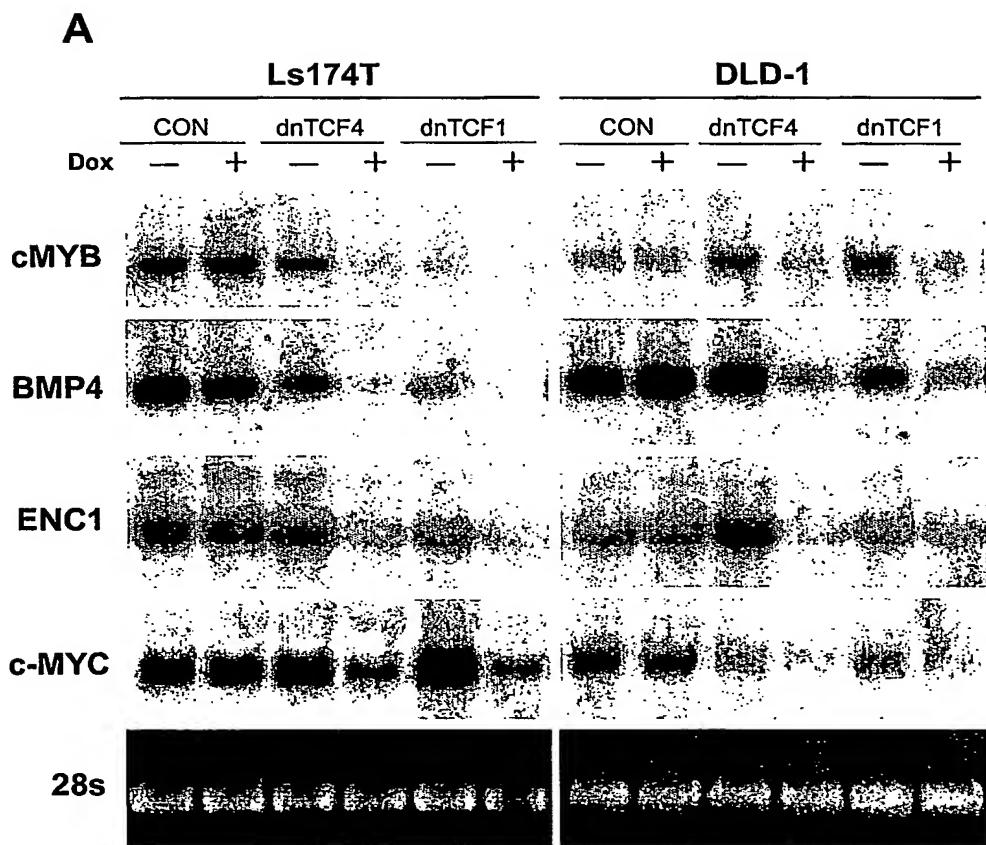
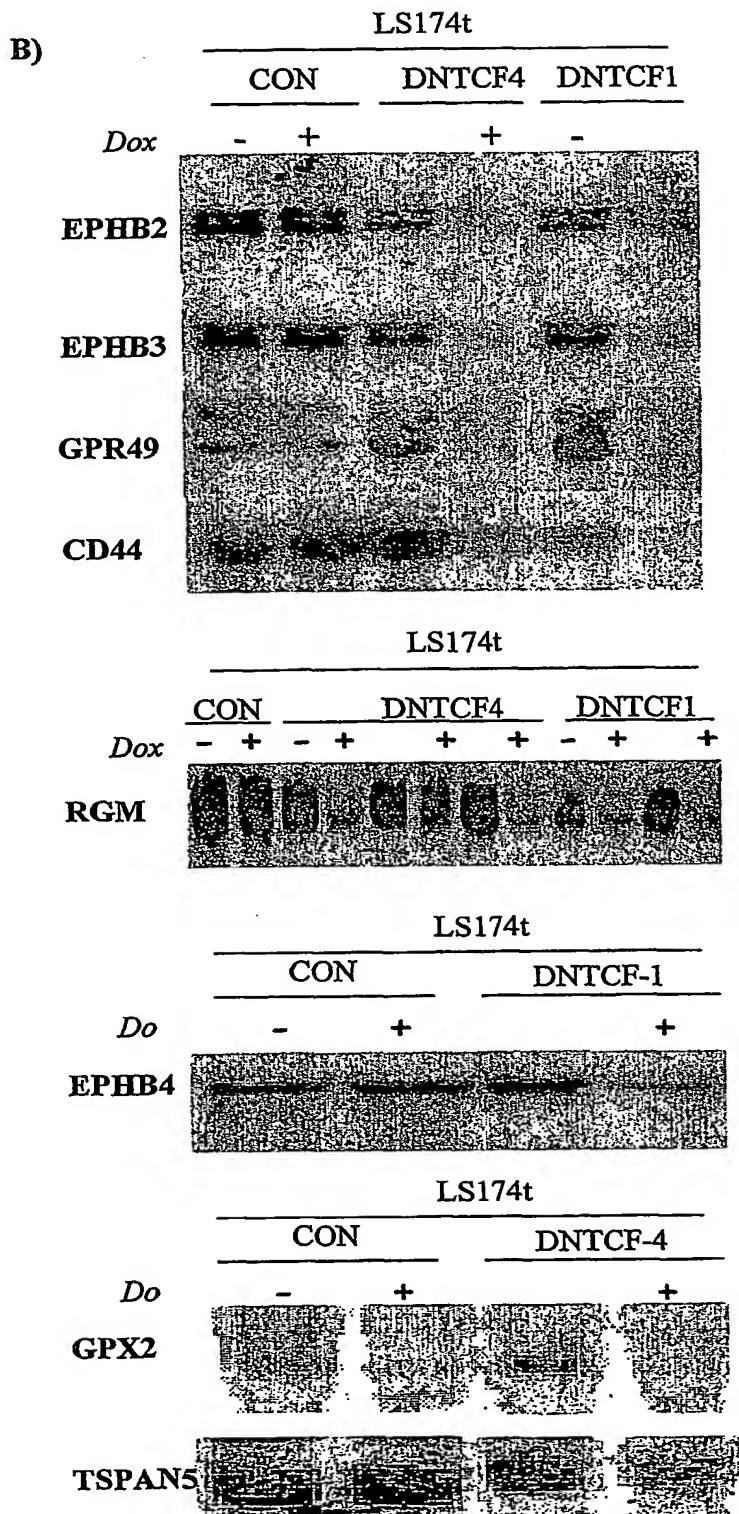
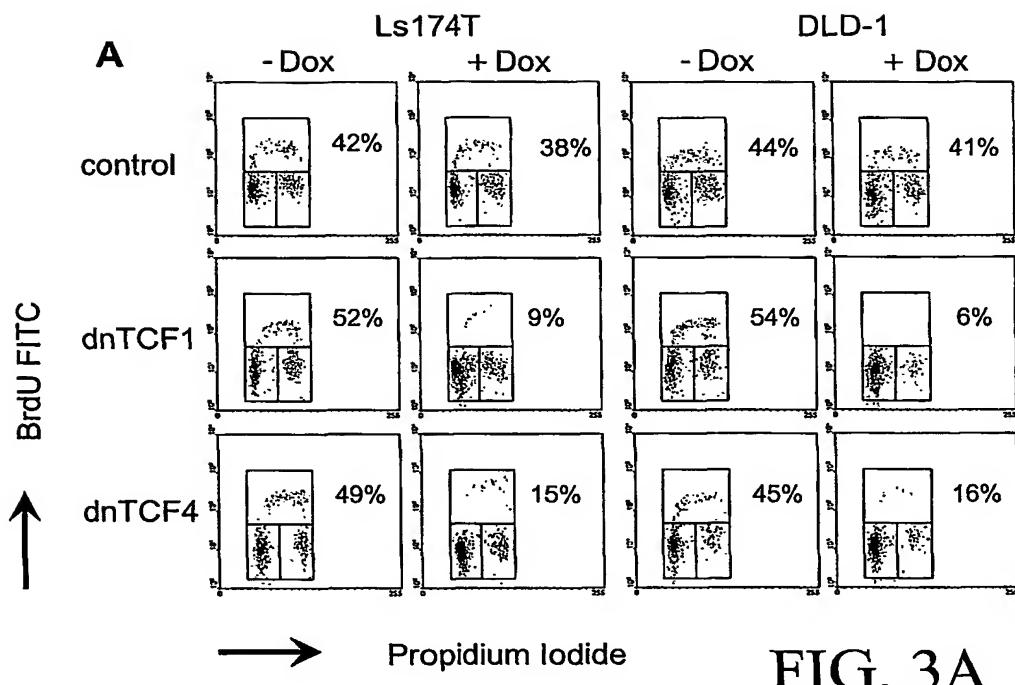
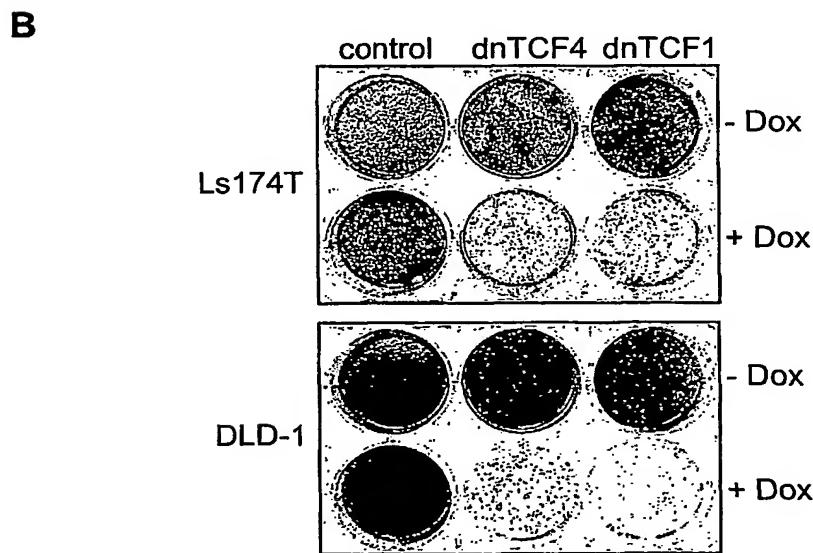


FIG. 2A



**FIG. 3A****FIG. 3B**

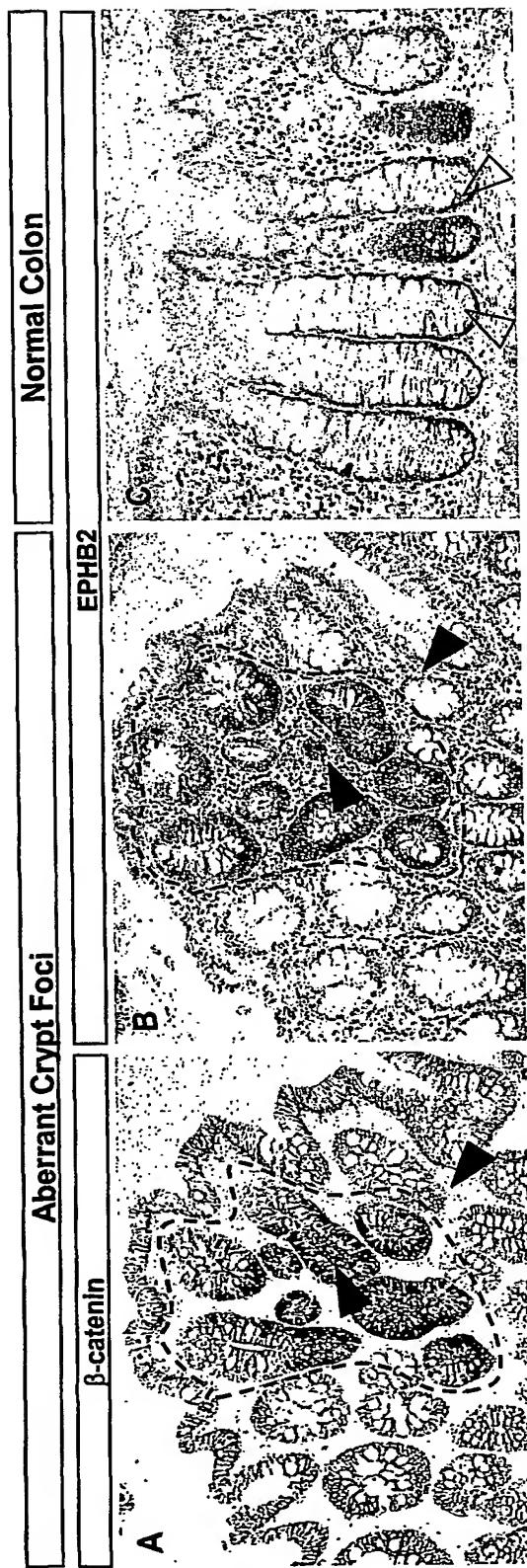


FIG. 4C

FIG. 4B

FIG. 4A

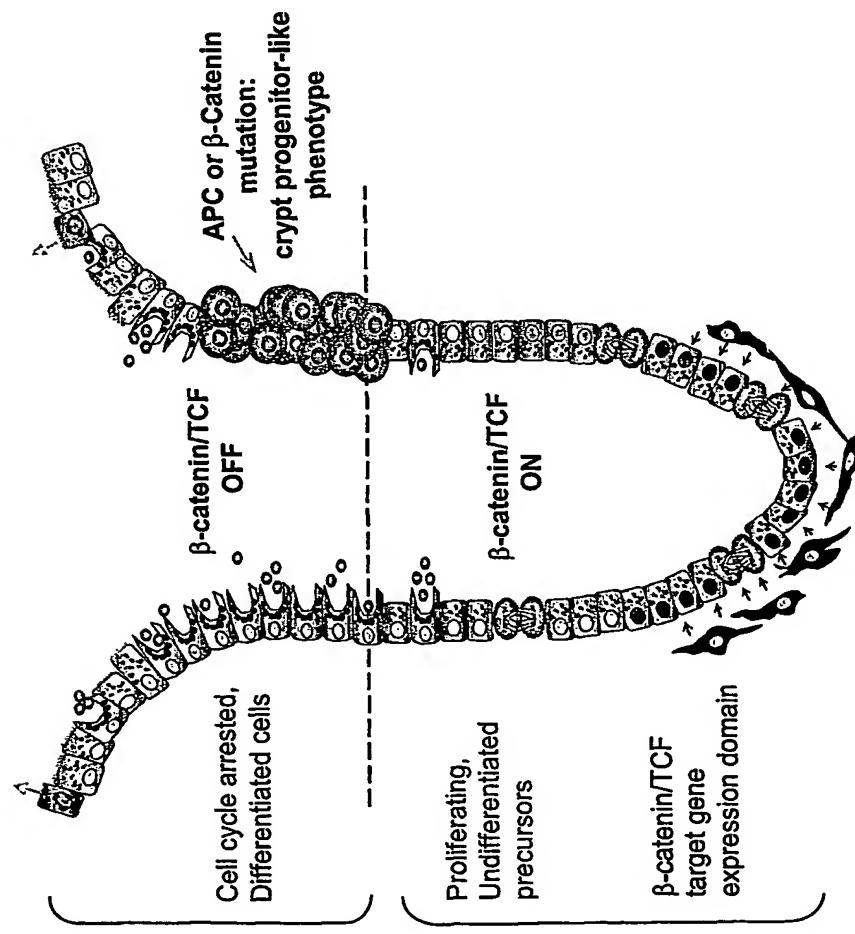
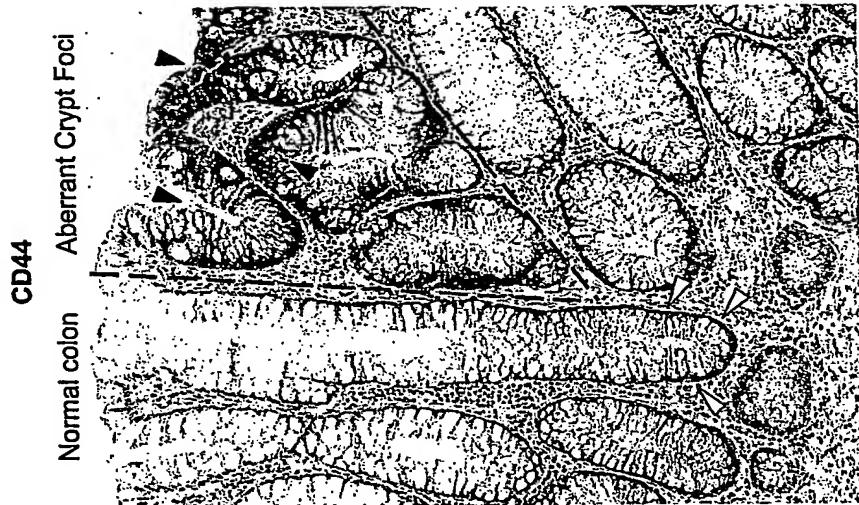


FIG. 5B

FIG. 5A

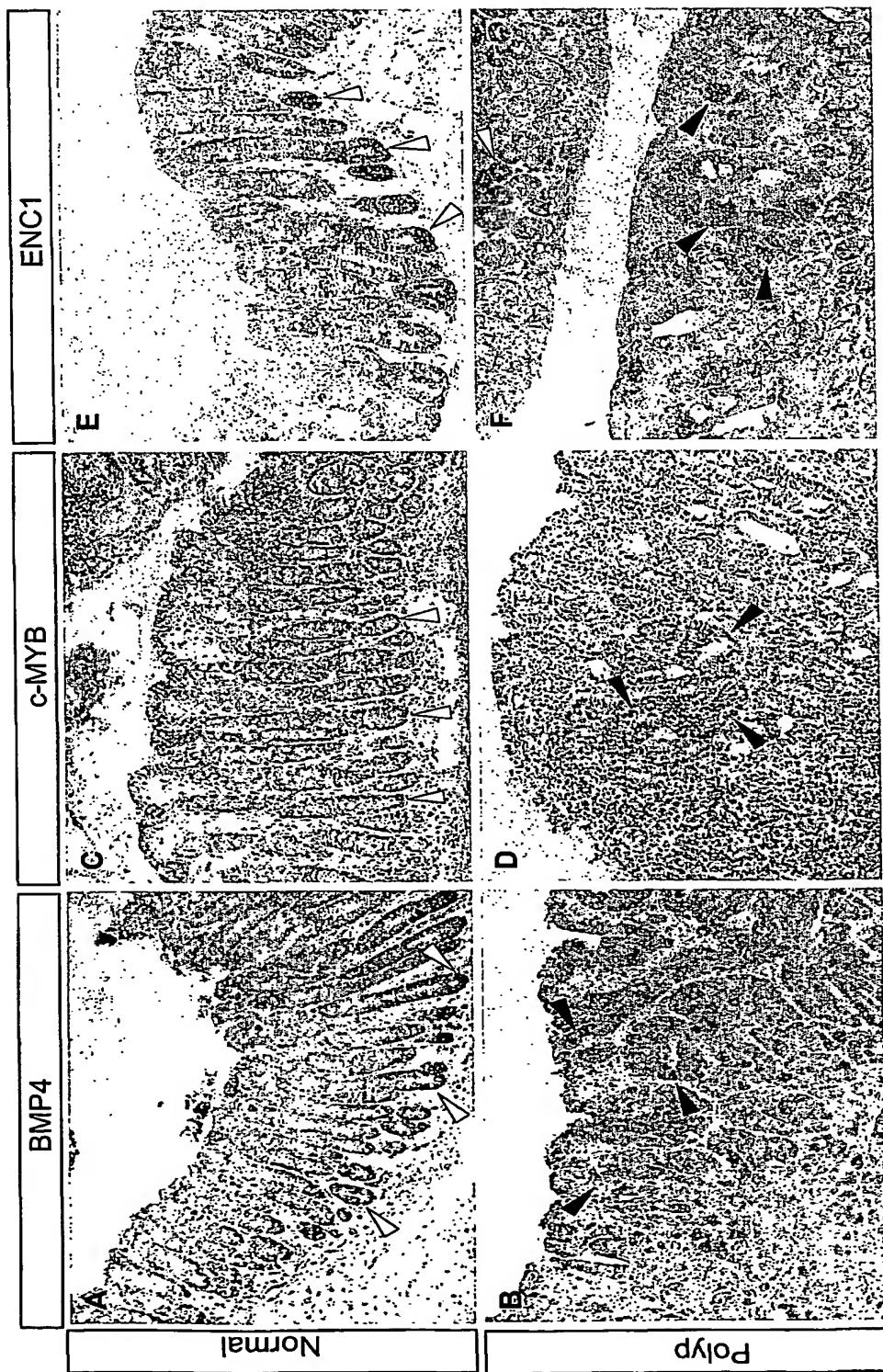


FIG. 6

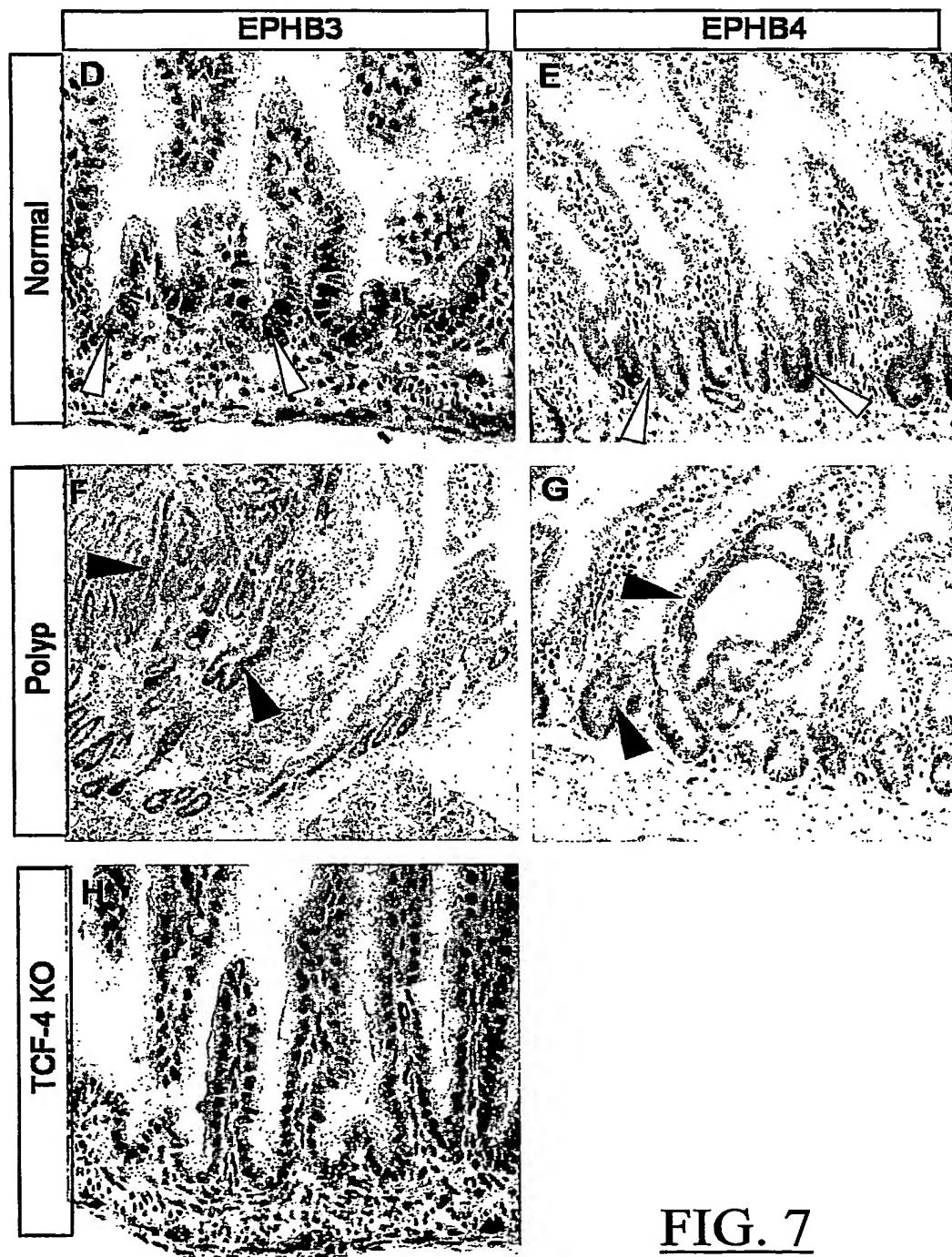


FIG. 7

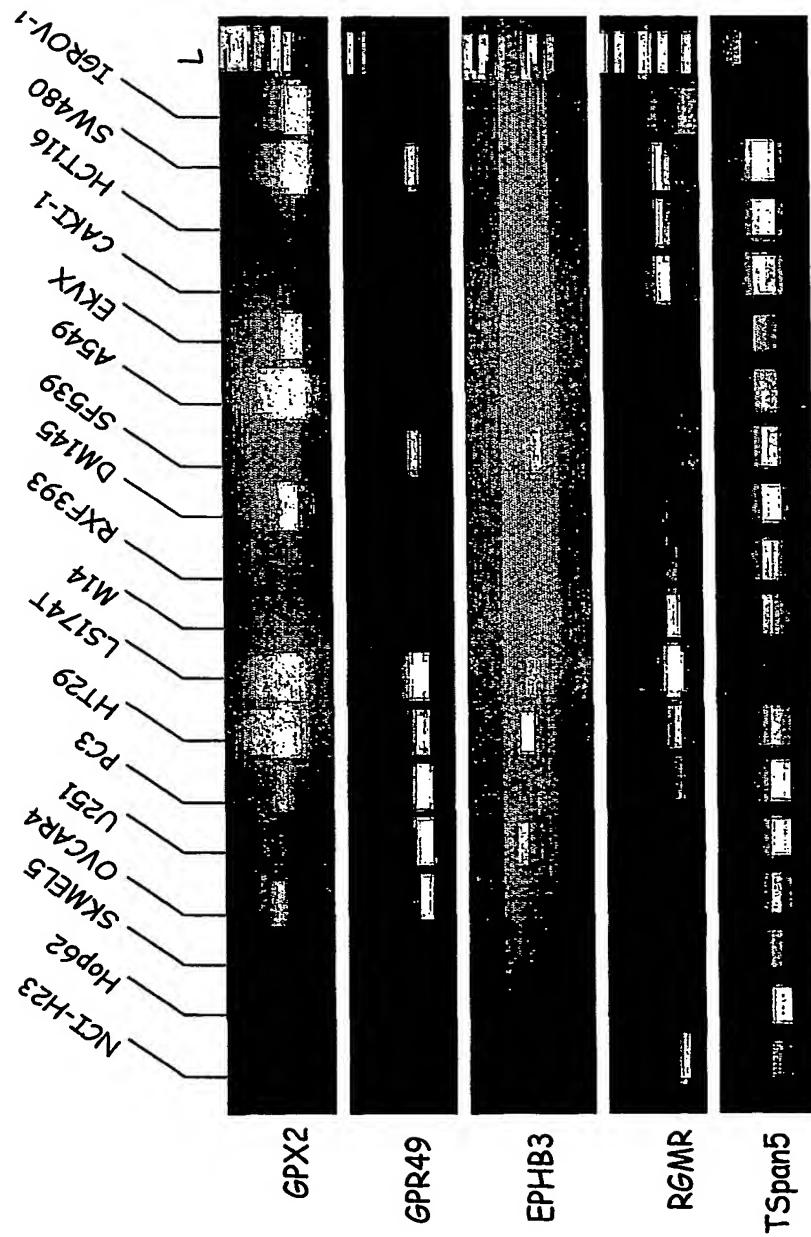
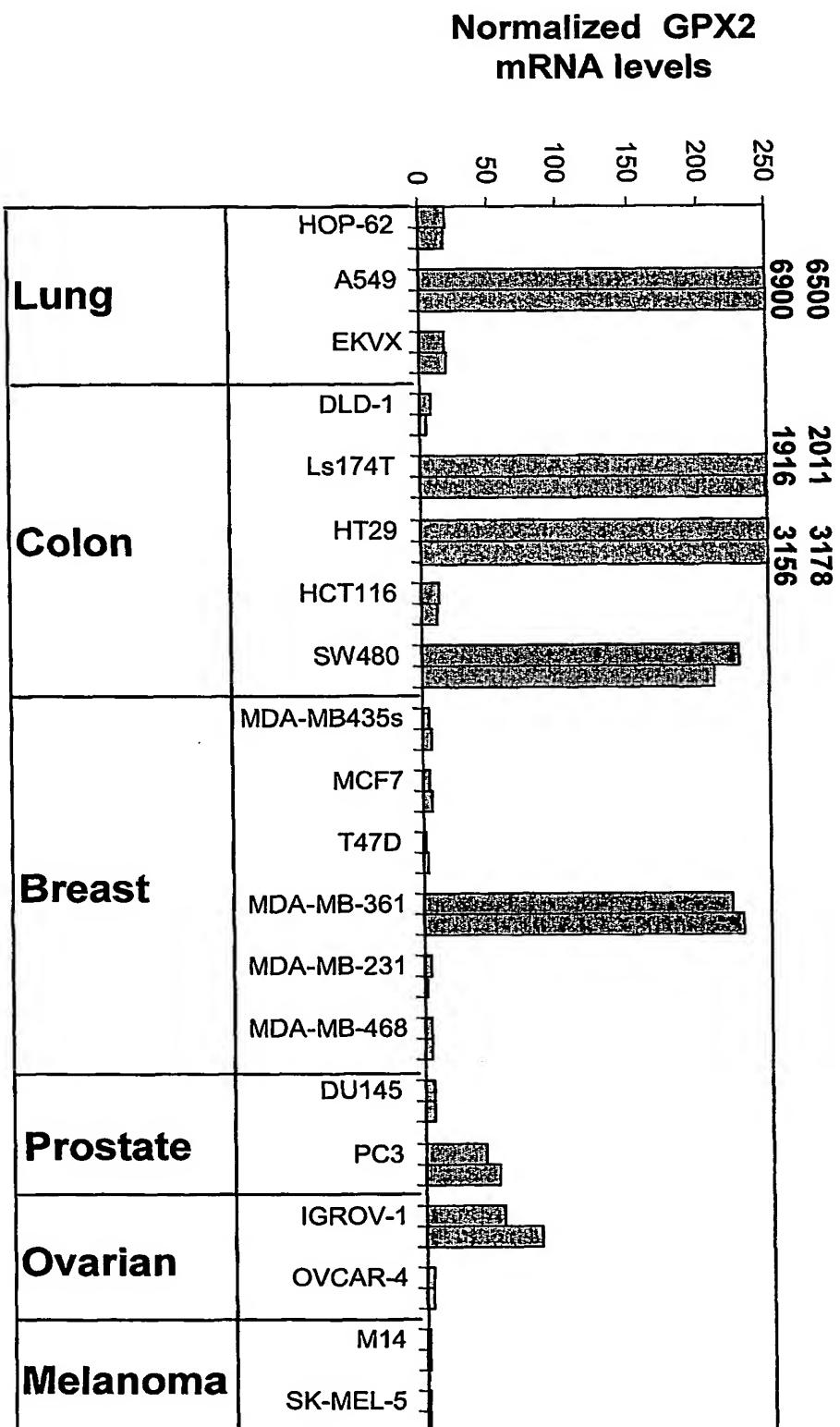
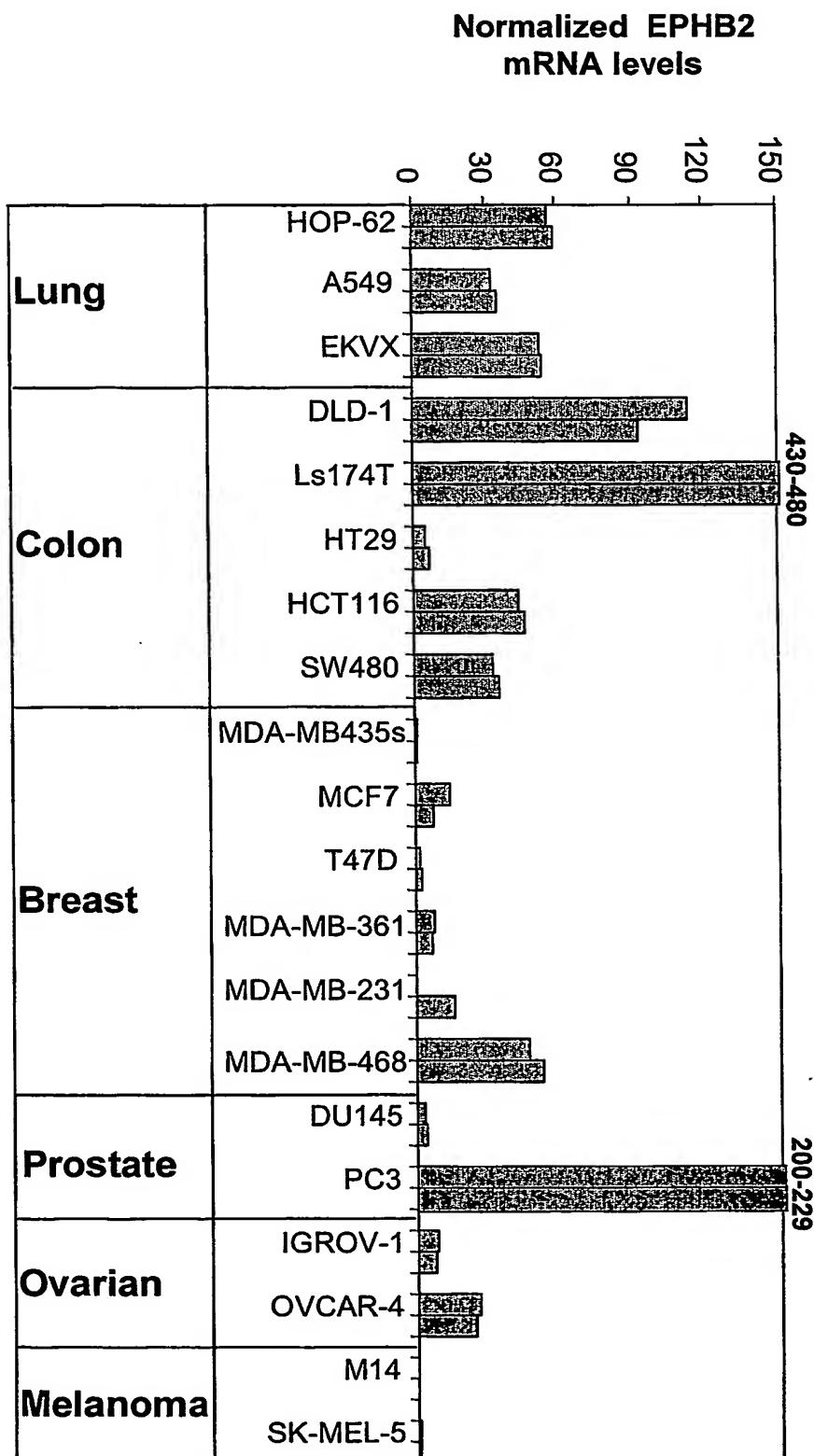


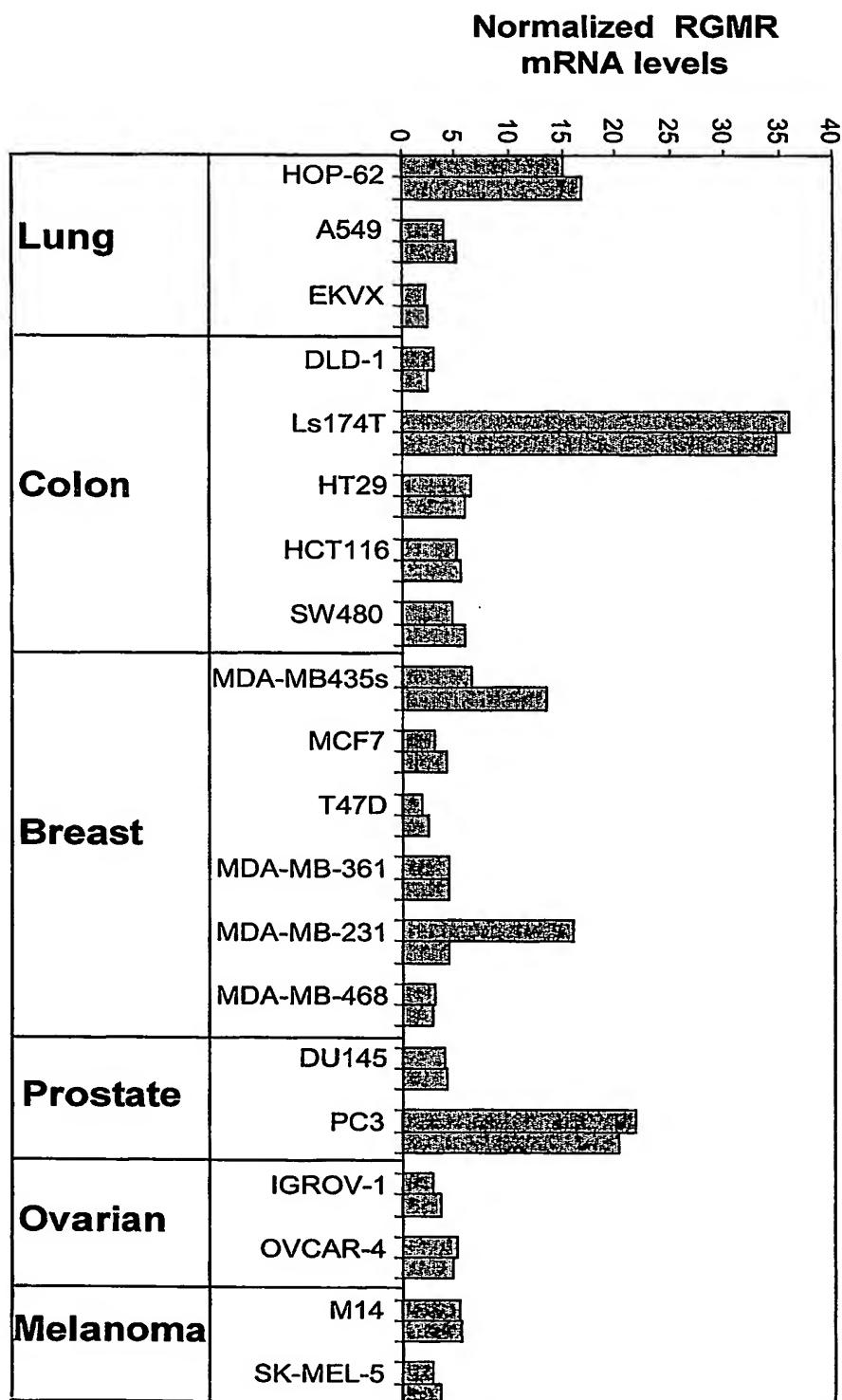
FIG. 8A

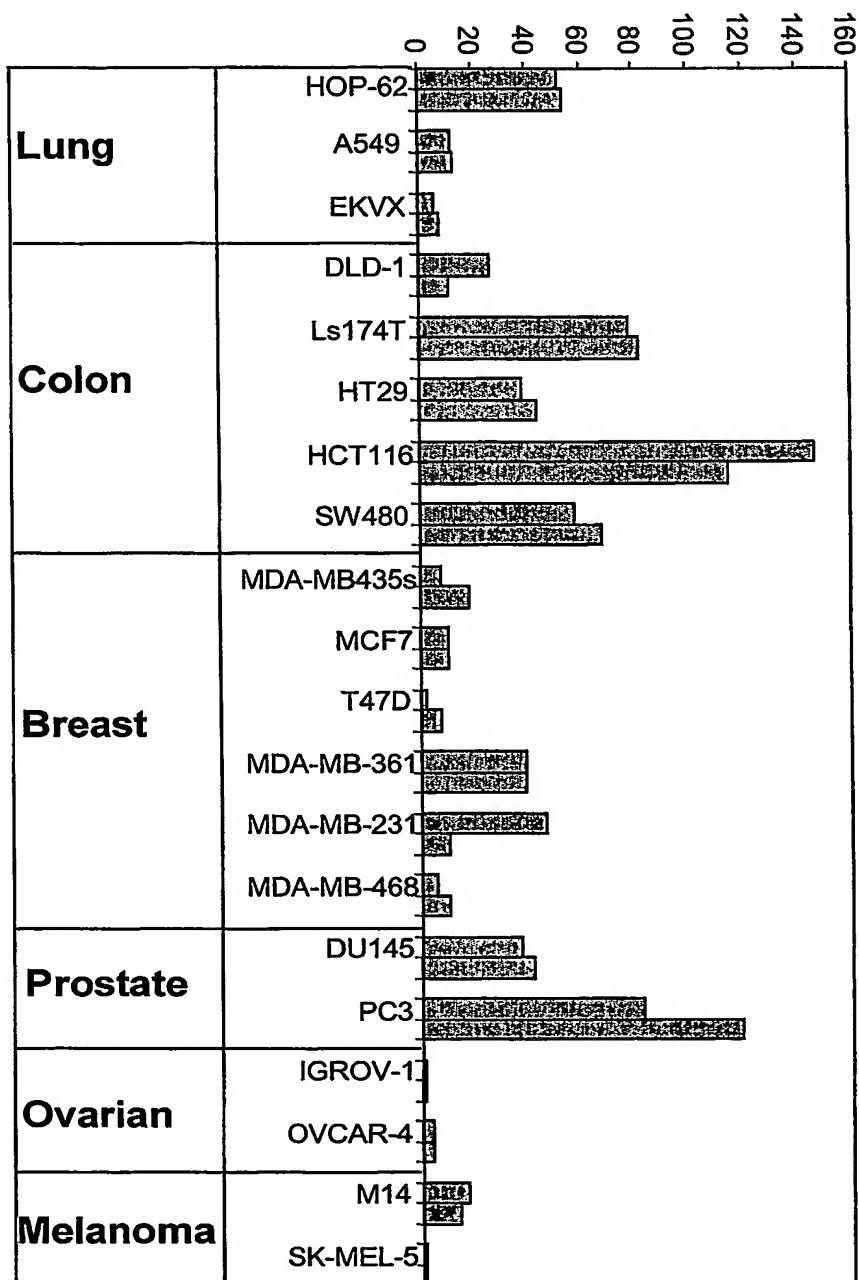
Cancer Type	Cell-Line	GPX2 Expression Level	GPR49 Expression Level	EPHB3 Expression Level	RGMCR Expression Level	TSpan 5 Expression Level
Lung	NCI-H23	+	-	+	+	+
	Hop62	+	-	+	+	+
	A549	++++	-	+	+	+
	EKVX	+++	-	+	+	+
	OVCAR-4	++	++	+	+	+
	IGROV-1	+++	-	-	-	++
Central Nervous System	U251	+	+++	++	+	++
	SF539	-	+	++	-	+
Skin	SKMEL5	-	-	-	+	+
	M14	-	-	+	+	+
	HT29	+++	++	+++	+	+
	LS174T	+++	++++	++	+++	ND
	SW480	+++	++	-	++	++
Colon	HCT116	+	-	-	+	+
	PC3	++	++	-	++	++
	DM145	+++	-	-	+	+
Prostate	RXF393	-	-	-	+	+
	CAK1-1	-	-	-	++	++

FIG. 8B

**FIG. 9A**

**FIG. 9B**

**FIG. 9C**

Normalized Tspan5  
mRNA levelsFIG. 9D

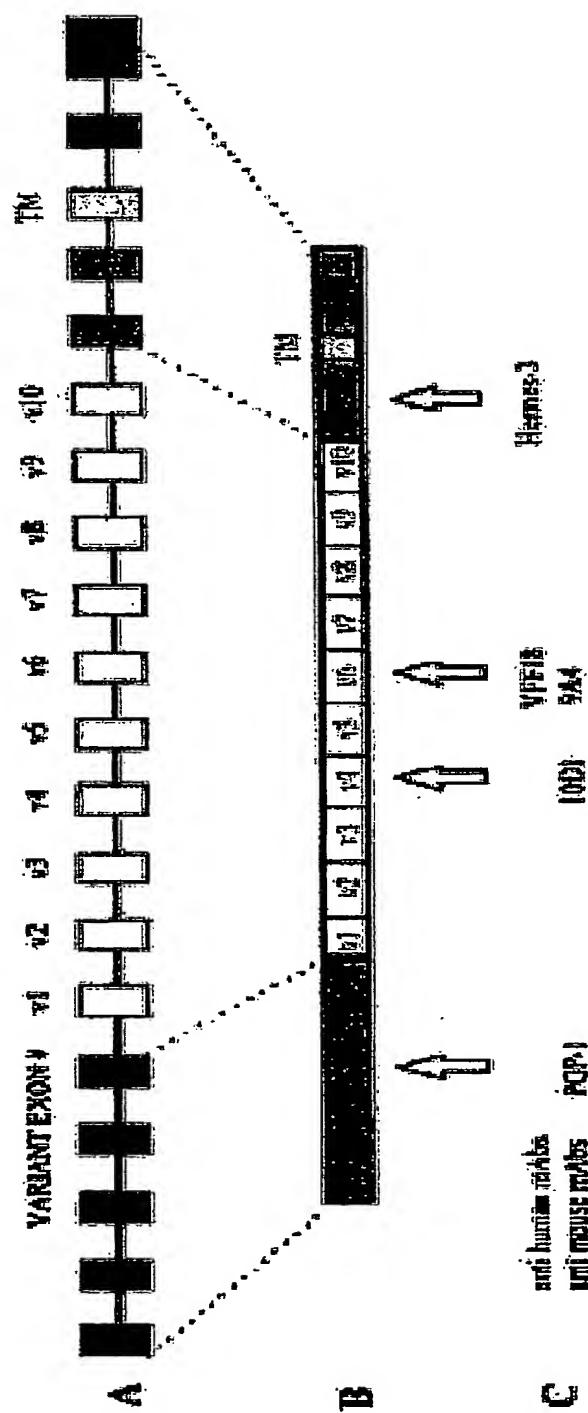


FIG. 10

FIG. 11

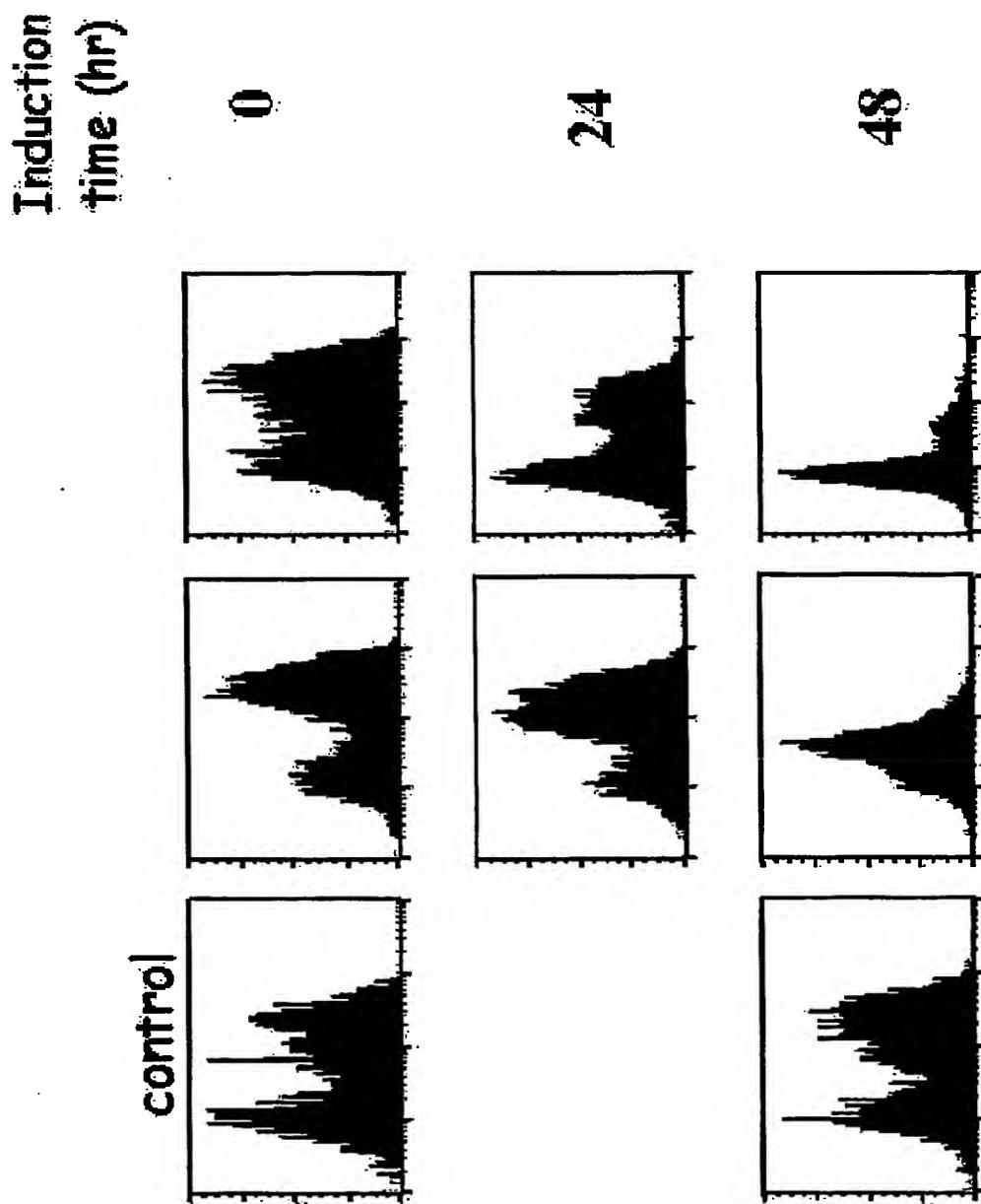


FIG. 12A

10/520712

PCT/EP2003/007399

WO 2004/005457

18/37

Wild-type mouse



TCF-4 KO mouse

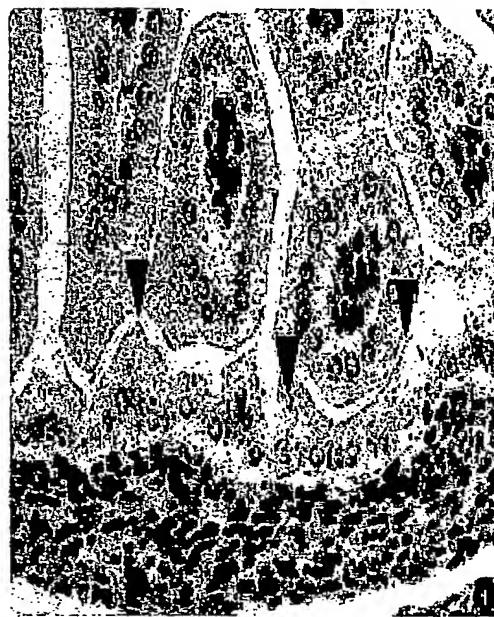


FIG. 12B

10/520712

WO 2004/005457

PCT/EP2003/007399

19/37

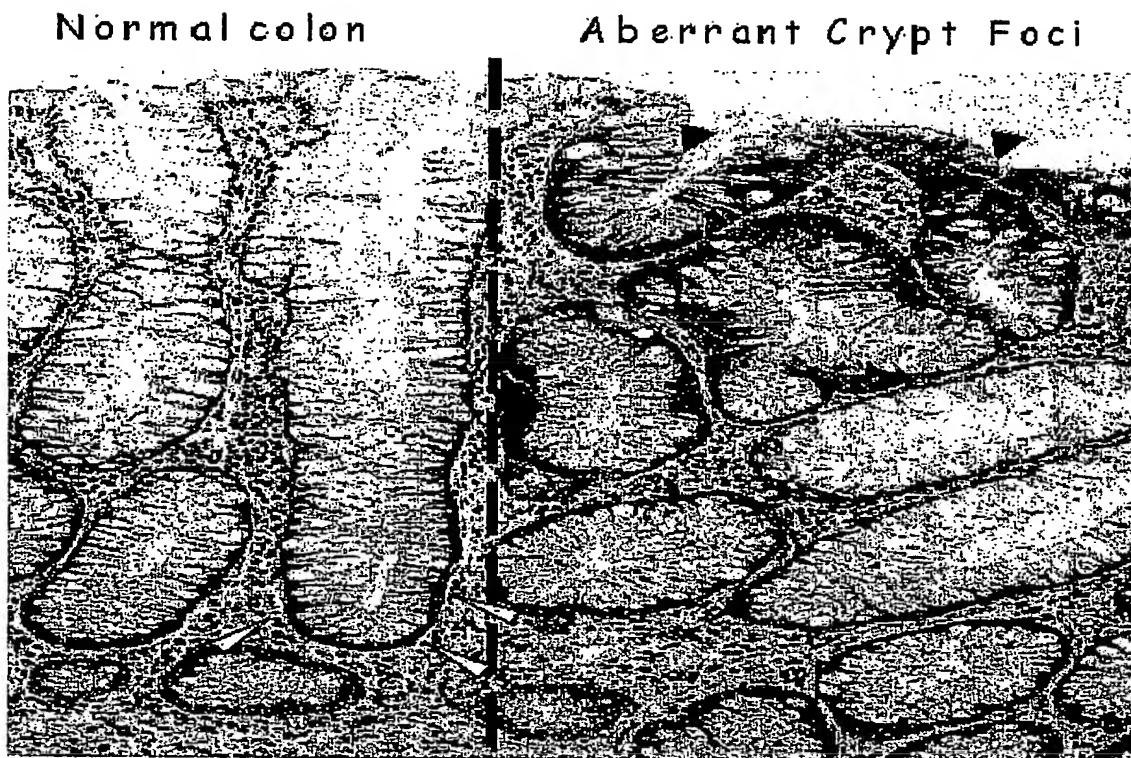


FIG. 13A

Aberrant Human crypt  
Foci



FIG. 13B

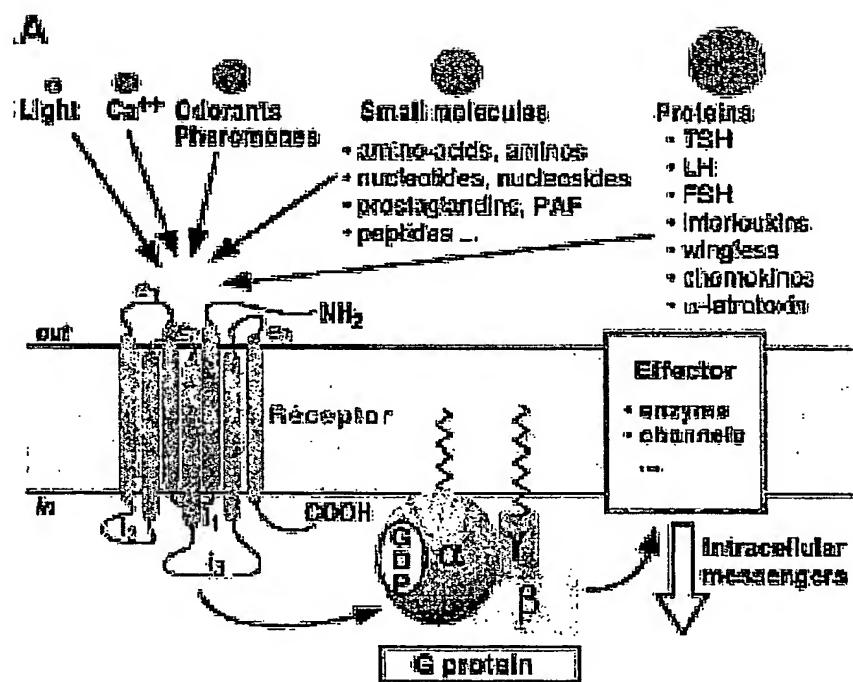


FIG. 14

**Figure 1 : Lineup of RGM and RGMR Protein Sequences:**

humanRGM	--MGRGAG-----RSALGFWP-----TLAFLLCSPAAATS-----PCK
mouseRGM	--MGRGAG-----RSALGLWP-----TLAFLLCSPAAIS-----PCK
chickenRGM	--MGRGAG-----STALGLFQ-----ILPVFLCIFPPVTS-----PCK
XenopusRGM	MGMGRGAG-----PKALGFFK-----ILTVFLCTFHTVSS-----SCK
HumanRGMR	--MGLRAAPSSAAAAA-AEVEQRRRPGLCP--PPIELLLLLFLGLLHAGDCQQPAQCR
mouseRGMR	--MGVRAAPYCAAGPAGAGAEQSRRRPLWPPTPPPLLLLLLGLLHAGDCQQPTQCR
	** * . : * . : * : * :
humanRGM	ILKCNSEFWSATSGSHAPASDDTPEFCAALRSYALCTRRTARTCRGDLAYHSAVHGIED
mouseRGM	ILKCNSEFWSATSSGSHAPASDDVPEFCAALRTYALCTRRTARTCRGDLAYHSAVHGIED
chickenRGM	ILKCNSEFWAATS-GSHHLGAEETPEFCTALRAYAHCTRRTARTCRGDLAYHSAVHGIDD
XenopusRGM	ILKCTADYLQATSNPHHHTGAEDTVECTALRTYAHCSRTARTCRGDLAYHSTVHGIDD
HumanRGMR	IQKCTTDFVSLTSHLNSAVDGFDs-EFCKALRAYAGCTQRTSKACRGNLVYHSAVLGISD
mouseRGMR	IQKCTTDFVALTAHLNSAADGFDS-EFCKALRAYAGCTQRTSKACRGNLVYHSAVLGISD
	* * * . : * : . : * : * * * ; * : * ; * : * * * ; * . * * ; * * . *
humanRGM	LMSQHNCSDGPTSQPRLRTLPPAGDSQERSDSPEICHYEKSFHKHSATPNYTHCGLFGD
mouseRGM	LMSQHNCSDGPTSQPRVRTLPPAGDSQERSDSPEICHYEKSFHKHSAPNYTHCGLFGD
chickenRGM	LMVQHNCSDGPTSQPRLRTLPP-GDSQERSDSPEICHYEKSFHKHSAPNYTHCGLFGD
XenopusRGM	LMSSHNCSDGPTSQPRVRILPP-GDSQERSDSPEICHYEKSFHRPSALPNYTHCGLFGD
HumanRGMR	LMSQRNCSDGPTSSTNPEVTHDPCNYHSHAGAREHRRGDQ-----NPPSYLFCGLFGD
mouseRGMR	LMSQRNCSDGPTSSTNPEVTHDPCNYHSHGGVREHGGDQ-----RPPNYLFCGLFGD
	* * ; * * * * * * . . . : : : . * : * : * . * * * * * . * : * . * * * * *
humanRGM	PHLRTFTDRFQTCKVQGAWPLIDNNYLNVQATNTPVLPGSAATATSKLTIIIFKNFQECVD
mouseRGM	PHLRTFTDHFQTCKVQGAWPLIDNNYLNVQVTNTPVLPGSAATATSKLTIIIFKNFQECVD
chickenRGM	PHLRTFTDTFQTCKVQGAWPLIDNNYLNVQVTNTPVLPGSSATATSKLTIIIFKSFQECVE
XenopusRGM	PHLRTFSDTFQTCKIQQAWPLIDNNYLNVQVTNTPVLPGSTATATSKLTIIIFKNFQECVD
HumanRGMR	PHLRTFKDNFQTCKVEGAWPLIDNNYLSVQVTNVPVVPGSSATATNKVIIIFKAQHECTD
mouseRGMR	PHLRTFKDHFQTCKVEGAWPLIDNNYLSVQVTNVPVVPGSSATATNKVIIIFKAQHECTD
	* * * * . * * * * ; * * * * * * * . * . * . * ; * * ; * * * . * ; * * * * : * . :

**FIG. 15A**

humanRGM	QKVYQAEMDELPAAFVDGSKNGGDKGHANSLKITEKVSGQHVEIQAKYIGTTIVVRQVGR
mouseRGM	QKVYQAEMDELPSAFADGSKNGGDKGHANSLKITEKVSGQHVEIQAKYIGTTIVVRQVGR
chickenRGM	QKVYQAEMDELPAAFADGSKNGGDKGHANSLKITEKVSGQHIEIQAKYIGTTIVVRQVGR
XenopusRGM	QKVYQAEMDELPAAFIDGSKNGGDKGANSRLIEKVSGQHIEIQAKYIGTTIVVRQVGH
HumanRGM	QKVYQAVTDDLPAAFVDGTTSGGD-SDAKSLRIVERESGHYVEMHARYIGTTVVFVRQVGR
mouseRGMR	QKVYQAVTDDLPAAFVDGTTSGGD-GDVKSLHIVEKESGRYVEMHARYIGTTVVFVRQLGR
	***** *:***:*** .*** ..:***: * : ***:***:***:*****:***:***:***
humanRGM	YLTFAVRMPEEVNAVEDWDSQGLYLCLRGCPLNQQIDFQAFH-TNAEGTGARRLAAASP
mouseRGM	YLTFAVRMPEEVNAVEDRDSQGLYLCLRGCPLNQQIDFQAFR-ANAE--SPRRPAAASP
chickenRGM	YLTFAVRMPEEVNAVEDRDSQGLYLCLRGCPLNQQIDFQFRLAQAAEGRARRKGPSLP
XenopusRGM	YLTFAVRMPEEVNAVEDKDNQGLYLCLHGPQNQQIDFRNFH-LQAPETGLKRLTSASS
HumanRGM	YLTLAIRMPEDLAMSYYE--SQDLQLCVNGCPLSERIDDGQQGVSAILGHSLPRTSLVQA
mouseRGMR	YLTLAIRMPEDLAMSYYE--SQDLQLCVNGCPMSICDDGQQGVSAILGHSLPHTTSVQA
	***:***:***:.. : *: .*. * ***:*** ..: ** : : : .
humanRGM	APTAPETFPYETAVAKCKEKLPVEDLYQACVF DLLTGDVNFTLAAYYALEDVKMLHSN
mouseRGM	SPVVPETFPYETAVAKCKEKLPVEDLYQACVF DLLTGDVNFTLAAYYALEDGKMLHSN
chickenRGM	AP--PEAFTYESATAKCREKLPVEDLYFQSCVF DLLTGDVNFTLAAYYAFEDVKMLHSN
XenopusRGM	AA---SFTPQTAEAKCKEKLPVKDLYFQSCVF DLLTGDVNFTLAAYYAFEDVKLLHSN
HumanRGMR	WP---GYTLETANTQCHEKMPVKDIYFQSCVF DLLTGDANFTAAHSALVEDVEALHPR
mouseRGMR	WP---GYTLETASTQCHEKMPVKDIYFQSCVF DLLTGDANFTAAHSALVEDVEALHPR
	. : . : * : *:***:***:***:***:*****:***:***:***:***:***:***..
humanRGM	KDKLHLYERTRDLPGRAAG----LPLAPRPLL GALVPLLALLPVFC---
mouseRGM	KDKLHLFERTRELPGA VAAAAAATTFPLAPQILLG-TIPLLVLIPVLW---
chickenRGM	KDKLHLYERTRALAPGNAAP----SEHPWALPALWALLSQCWLGLL
XenopusRGM	KNKVHLFERP-----
HumanRGMR	KERWHIFPSSGNGTP-----RGGSDLSVSLGLTCLILIVFL---
mouseRGMR	KERWHIFPSSCG-----GCRDLPVGLGLTCLILIMFL---
	*:: *:: .

FIG. 15B

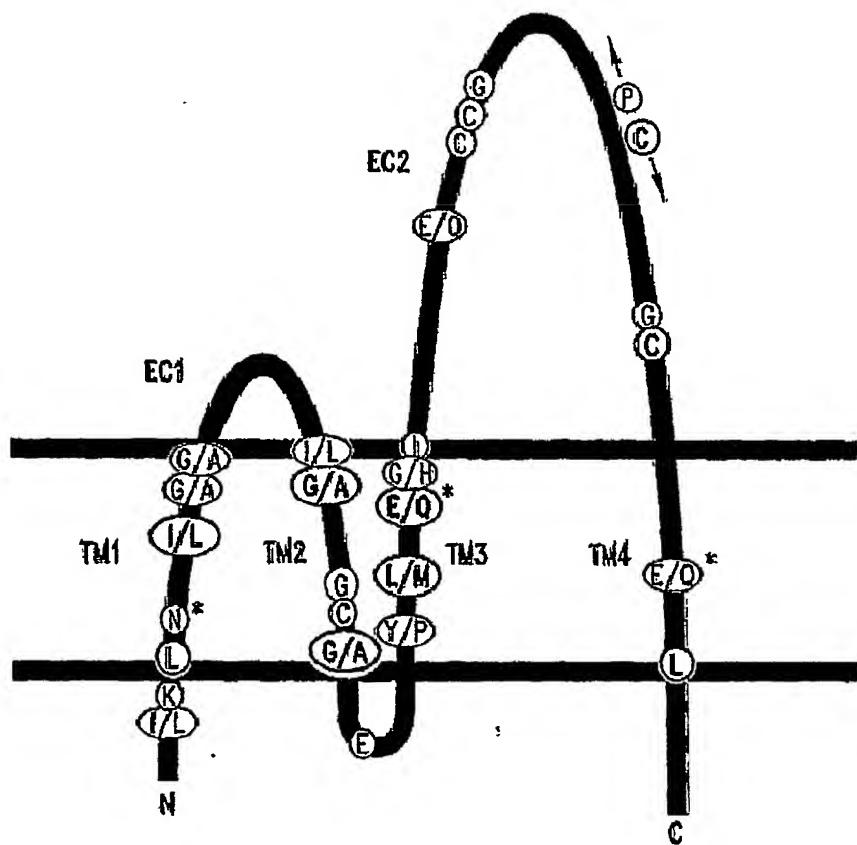


FIG. 16

(SEQ ID No. 1)

FIG. 17A

MDKFWWHAAWGLCLVPLSLAQIDLNIICRFAGVFHVEKNGRYSISRTEAADLCKAFNSTLPTMAQMKEKALSIGFETCR  
YGFIEGHVVIPRIHPNSICAANNTGVYILTSNTSQYDTYCFNASAPPEEDCTSVDLNAFDGPITITIVNRDGTRYVQKGE  
YRTNPEDIYPSNPTDDDVSSESSRSSTSGGYIFYTFSTVHIPDEDSPWITSTDRIPATLMSATSATAETATKRQETW  
DWFSWFLPSESKNHLHTTQAGTSSNTISAGWEPNEENEDERDRHLSFGSGGIDDDDEFISSTISTTPRAFDHTKQNQ  
DWTQWNPSHSNPEVLLQTTTRMTDVRNGTTAYEGNWNPEAHPPLIHHEHHEEEETPHSTSTIQATPSSTTEETATQKE  
QWFGNRWHEGYRQTPREDSHSTTGAAASAHTSHPMQGRRTTSPEDSSWTDFNPISHPMGRGHQAGRMMDDMDSHSI  
TLQPTANPNTGLVEDLDRGPLSMTTQQNSNSQSFSTSHEGLEEDKDHPHTSTLTSSNRNDVTGRRDPNHSEGSTTLEG  
YTSHYPHTKESRTFIPVTSAKTGSFGVTAVTVGDSNSNVNRSLSGDQDTFHPSGGSHTTHGSESDGHSHGSQEGGANNT  
SGPIRTPQIPEWLIILASLLALALIAVCIAVNSRRRCGQKKLVINSGNGAVERKPSGLNGEASKSQEMVHLVNKESSE  
TPDQFMTADETRNLQNVDMKIGV\*

(SEQ ID No. 2)

FIG. 17B

ATGGACAAGTTTGGTGGCACCGCAGCCTGGGGACTCTGCCCTGTGCCGCTGAGCCTGGCGCAGATCGATTTGAATATAACCTGCCG  
 CTTGCAGGTGTATTCCACGTGGAGAAAAATGGTCGCTACAGCATTCTCGGACGGAGGCCGCTGACCTCTGCAAGGCTTCATA  
 GCACCTGCCCACAATGGCCAGATGGAGAAAGCTCTGAGCATCGGATTTGAGACCTGCAAGGTATGGGTTCATAGAAGGGCATGTG  
 GTGATTCCCCGGATCCACCCCACTCCATCTGTGCAAGAACACAGGGGTGTACATCCTCACATACAACACCTCCAGTATGA  
 CACATATTGCTTCAATGCTTCAGCTCCACCTGAAGAAGATTGTACATCAGTCACAGACCTGCCAATGCCCTTGATGGACCAATT  
 CCATAACTATTGTTAACCGTGATGGCACCCGCTATGCCAGAAGGAGAAATACAGAACGAATCTGAAGACATCTACCCCAAGCAAC  
 CCTACTGATGACGTGAGCGGGCTCCAGTGAAAGGAGCAGCAGCTCAGGAGGTTACATTTACACCTTTCTACTGT  
 ACACCCCATCCCAGACGAACAGCTCCATGCCAGCACAGAACAGAATCCTCGTACCAATATGAACTCCAGTCAGTCATA  
 CAACGCTCAGCTACTGCAAATCCAAACACAGGTTGGAGAAGATTGGACAGGACAGGACCTCTTCATGACAACGCAGCAG  
 AGTAATTCTCAGAGCTTCTCATACATCACATGAAGGCTTGAAGAAGATAAAAGACCATCCAACAACTTCTACTCTGACATCAAGCAA  
 TAGGAATGATGTACAGGTGGAAAGAGACCCAAATCATCTGAAGGCTCAACTCATTTACTTGAAGGTTACCTCTCATTACC  
 CACACAGGAAGGAAAGCAGGACCCATCCCAGTGACCTCAGCTAGCTAAAGACTGGGCTTGGAGTTACTGCACTTACTGGAG  
 TCCAACTCTAATGTCAATCGTCTTATCAGGAGACCAAGACACATTCCACCCAGTGGGGTCCCATACCAACTCATGGATCTGA  
 ATCAGATGGACACTCACATGGAGCTCAAGAAGGCTGGAGAACACACAACCTCTGGTCTTATAAGGACACCCAAATTCCAGAATGGC  
 TGATCATCTGGCATCCCTTGGCTTGGCTTGGATTCTGCAGTTGCATTGCAACAGTCGAAGAAGGTGTGGCAGAAG  
 AAAAGCTAGTGTACACAGTGGCAATGGAGCTGTGGAGGACAGAAAGCCAATGGACTCAACGGAGAGGCCAGCAAGTCTCAGGA  
 AATGGTGCATTGGTGAACAAGGAGTCGTCAAGAAACTCCAGACCAGTTATGACAGCTGATGAGACAAGGAACCTGCAGAATGTGG  
 ACATGAAGATTGGGTGTAA

## FIG. 18A

MDKFWWHAAWGLCLVPLSLAQIDLNITCRFAGVFHVEKNGRYSISRTEAADLCKAFNSTLPTMAQMEKALSIGFETCRYGFIEGHV  
 VIPRIHPNSICAANNTGVILTYNTSQYDITYCFNAPPEEDCTSVDLPLNAFDGPIITITIVNRDGTRYVQKGEYRTNPEDIYPSN  
 PTDDDVSSGSSSERSSTSGGYIFYTFSTVHPIPDEDSPWITDSTDRIPTNMDSSHSTLQPTANPNTGLVEDLDRGPLSMTTQQ  
 SNSQSFSTSHEGLEEDKDHPPTSTLTSSNRNDVTGRRDPNHSEGSTHLLLEGYTSYHPTKESRTFIPVTSAKTGSFGVTAVTVD  
 SNSNVNRSLSGDQDTFHPSGGSHTHGSESDGHSHGSQEGGANTTSGPIRTPQIPEWLIILASLLALALILAVCIAVNSRRCGQK  
 KKLVINSNGNAGEADRKPGLNGEASKSQEMVHLVNKESSETPDQFMTADETRNLQNVDMKIGV

## FIG. 18B

CTTGATGAGCACTAGTGCTACAGCAACTGAGACAGCAACCAAGAGGCAAGAAGCCTGGATTGGTTTCATGGTTGTTCTACCA  
TCAGAGTCAAAGAACATCTTCACACAACACAAATGGCTG

FIG. 19A

GTACGTCTCAAATACCATCTCAGCAGGCTGGGAGCCAATGAAGAAAATGAAGATGAAAGAGACAGACACCTCAGTTTCTGGA  
TCAGGCATTGATGATGATGAAGATTATCTCCAGCACCA

FIG. 19B

TTTCAACCACACCACGGGCCTTGACCACACAAACAGAACCCAGGACTGGACCCAGTGGAACCCAAAGCCATTCAAATCCGGAAGTG  
CTACTTCAGACAACCACAAGGATGACTG

FIG. 19C

ATGTAGACAGAAATGGCACCCTGCTTATGAAGGAAACTGGAACCCAGAACGACACCCCTCCCCTCATTACCATGAGCATCATGAG  
GAAGAAGAGACCCACATTCTACAAGCACAA

FIG. 19D

TCCAGGCAACTCCTAGTAGTACAACGGAAGAACAGCTACCCAGAAGGAACAGTGGTTGGAACAGATGGCATGAGGGATATCGC  
CAAACACCCAGAGAAGACTCCCATTGACAAACAGGGACAGCTG

### FIG. 19E

CAGCCTCAGCTCATACCAGCCATCCAATGCAAGGAAGGACAACACCAAGCCCAGAGGACAGTTCTGGACTGATTCTTCAACCCA  
ATCTCACACCCATGGGACGAGGTCAAGCAGGAAGAAGGATGG

### FIG. 19F

ATATGGACTCCAGTCATAGTACAACGCTTCAGCCTACTGCAAATCCAAACACAGGTTGGAAAATTGGACAGGACAGGACCT  
CTTCATGACAACGC

### FIG. 19G

AGCAGAGTAATTCTCAGAGCTCTCTACATCACATGAAGGCTTGGAGAAGATAAAGACCATCCAACAATTCTACTCTGACATCA  
AGCA

### FIG. 19H

ATAGGAATGATGTCACAGGTGGAAGAAGAGACCCAAATCATTCTGAAGGCTCAACTACTTTACTGGAAGGTTATACCTCTCATTAC  
CCACACACGAAGGAAAGCAGGACCTTCATCCAGTGACCTCAGCTAACACTGGGTCTTGGAGTTACTGCAGTTACTGTTGGAGA  
TTCCAACTCTAATGTCATCGTTCTTATCAG

### FIG. 19I

**Sequences of GPR49****A) Nucleic sequence GPR49 mRNA sequence:**

>gi|4504378|ref|NM\_003667.1| Homo sapiens G protein-coupled receptor 49 (GPR49), mRNA

ATGGACACCTCCGGCTCGGTGTGCTCCTGCTCCTGCTGCTGCAGCTGGCGACCGGGGGCAGCTC  
 TCCCAGGTCTGGTGTGTTGCTGAGGGGCTGCCACACACTGTCATGCGAGCCCGACGGCAGGATGTTGC  
 TCAGGGTGGACTGCTCCGACCTGGGGCTCAGGAGCTGCCACCTCAGCGTCTTCACCTCCTACCTA  
 GACCTCAGTATGAACAACATCAGTCAGCTGCTCCGAATCCCCTGCCAGTCTCCGCTTCTGGAGGAGTT  
 ACGTCTTGGGGAAACGCTCTGACATACATTCCAAGGGAGCATTCACTGGCCTTACAGTCTTAAAGTT  
 TTATGCTGAGAATAATCAGCTAACGACACGTACCCACAGAAGCTGAGAATTGCGAAGCCTCAATCC  
 CTGCGTCTGGATGCTAACACATCAGCTATGCCCCAAGCTGTTCACTGGCCTGCATCCCTGAGGCA  
 CCTGTGGCTGGATGACAATGCGTTAACAGAAATCCCCTGCCAGGCTTTAGAAGTTATCGGCATTGCAAG  
 CCATGACCTGGCCCTGAACAAAATACACCACATACCAGACTATGCCCTTGGAAACCTCTCAGCTGGTA  
 GTTCTACATCTCCATAACAATAGAACCTCCACTGGAAAGAAATGCTTGTGGCCTCACAGCCTAGA  
 GACTTTAGATTTAAATTACAATAACCTTGATGAATTCCCCACTGCAATTAGGACACTCTCAACCTTAAAG  
 AACTAGGATTTCATAGCAACAATATCAGGTGACACTTGAGAAAGCATTTGTAAGGCAACCCCTCTTATT  
 ACAATACATTCTATGACAATCCATCCAATTGTTGGGAGATCTGCTTTCAACATTACCTGAACTAAG  
 AACACTGACTCTGAATGGGCCTCACAAATAACTGAATTCTCTGATTTAATGAACTGCAAACCTGGAGA  
 GTCTGACTTTAATGGAGCACAGATCTCATCTCTCCTCAAACCGTCTGCAATCAGTTACCTAATCTCCAA  
 GTGCTAGATCTGCTTACAACCTATTAGAAGATTACCCAGTTTCAGTCTGCCAAAAGCTTCAGAAAAT  
 TGACCTAAGACATAATGAAATCTACGAAATTAAAGTTGACACTTCCAGCAGTTGCTTAGCCTCCGATCGC  
 TGAATTGGCTTGGAAACAAAATTGCTTATTACCCATGCAATTCCACTTGCCTACCTTAATAAAG  
 CTGGACCTATCGTCCAAACCTCTGCTCTTCTATAACTGGGTTACATGGTTAACTCACTTAAATT  
 AACAGGAATCATGCTTACAGAGCTTGATATCATCTGAAAAACTTCCAGAACTCAAGGTTATAGAAATGC  
 CTTATGCTTACCGAGCTGCTGCAATTGGAGTGTGAGAATGCTTCAACAGTTCTAATGGAATAAA  
 GGTGACAACAGCAGTATGGGACGACCTTCATAAGAAAGATGCTGGAATGTTTCAGGCTCAAGATGAACGTGA  
 CCTTGAAAGATTCTGCTTGAATTGGAGAACCTGAAAGGCCCTTCAATTGAGTGTGCTTACCTCC  
 CAGGCCCTTCAACCCCTGTAACACCTGCTTGTGATGGCTGGCTGATCAGAATTGGAGTGTGGACCATAGCA  
 GTTCTGGCACTTACTTGTAAATTGGGTCATCGCAGCAGTGAACATGCTCACGGGAGTCTCCAGTGCCGTGCTGGCTGGT  
 TAAACTGTTAAATTGGGTCATCGCAGCAGTGAACATGCTCACGGGAGTCTCCAGTGCCGTGCTGGCTGGT  
 TGGATGCGTTCACTTGGCAGTTGCACTGGCAGCATGGTCCTGGTGGAGAATTGGGTTGGTGCATGTC  
 ATTGGTTTTGTCATTGCTTGTGAGAATCATCTGTTCTGCTTACTCTGGCAGCCCTGGAGCGTGG  
 GTTCTCTGTGAAATATTCTGCAAATTGAAACGAAAGCTCATTGAGTGTGAAAGTAATCATTTG  
 TCTGTGCCCTGCTGGCCTTGACCATGGCCGCAAGTCCCTGCTGGGAGCAGCAAGTATGGCGCTCC  
 CTCTGCCCTGCTTGCCTTGGGAGGCCAGCACCAGGGCTACATGGTCGCTCATCTGCTCAATT  
 CTTGCTTCCCTCATGATGACCATGGCTACACCAAGCTACTGCAATTGGACAAGGGAGACCTGGAGA  
 ATATTGGGACTGCTCATGGTAAACACATTGCCCTGTTGCTTCACTTCAACGACTGCATCTAAACTGCC  
 GTGGCTTCTGTGCTTCTCTTAAATAAACCTACATTGAGTGTGAAAGTAATTAAAGTTATC  
 TCTGGTGGTAGTCCCACCTCTGCAATGCTCAATCCCCTCTACATCTGTTCAATTCTCACTTAAAG  
 AGGATCTGGTGGAGAACGAAACCTACGTCAGTCTGGACAAGATCAAACACCCAAGCTTGTGATGTCATT  
 AACTCTGATGATGTCGAAAACAGTCCGTGACTCAACTCAAGCCTGGTAACCTTACCAAGCTCCAGCAT  
 CACCTATGACCTGCCTCCCAGTCCGTGCCATCACCAAGCTTACAGTGAACAGCTGAGAGCTGCCATCTTCC  
 CTGTGGCATTGTCCCAGTCTAA (SEQ ID No.3)

**FIG. 20A**

**B) Proteic sequence**

>gi|4504379|ref|NP\_003658.1| (NM\_003667) G protein-coupled receptor 49; G protein-coupled receptor 67; orphan G protein-coupled receptor HG38 [Homo sapiens]  
MDTSRLGVLLSLPVLLQLATGGSSPRSGVLLRGCPTHCHCEPDGRMLLRVDCSDLGLSELPNSLVFTS  
YLDLSMNNISQLLPNPLPSLRFLEELRLAGNALTYIPKGAFGTGLYSLKVLMLQNNQLRHVPTEALQNL  
RSLQSLRLDANHISYVPPSCFSGLHSRHLWLDDNALTEIPVQAFRSLSALQAMTLALNKIHHPDYAFG  
NLSSLVVLHLHNNRIHSLGKKCFDGLHSLETLLDNYNNLDEFPTAIRTLSNLKELGFHSNNIRSIPEKA  
FVGNPSLITIHFYDNPIQFVGRSAFQHLPELRTLTLNGASQITEFPDLTGTANLESLTLTGAQISSLPQ  
TVCNQLPNLQVLDLSYNLLEDLPSFSVCQKLQKIDLRHNEIYEIKVDTFQQQLSLRSLNLAWNKIAIIH  
PNAFSTLPSLIKLDLSSNLLSSFPITGLHGLTHLKTGNHALQSLISSENFPELKVIEMPYAYQCCAFG  
VCENAYKISNQWNKGDNSSMDDLHKKDAGMFQAQDERDLEDFLLDFEEDLKALHSVQCSPPGPKPCE  
HLLDGWLIRIGVWTIAVLALTCNALVTSTVFRSPLYISPIKLLIGVIAAVNMLTVSSAVLAGVDAFTF  
GSFARHGAWWENGVGCHIVGFLSIFASESSVFLLTAALERGFSVKYSAKFETKAPFSSLKVIIILCAL  
LALTMAAVPLLGGSKYGASPLCLPLPFGEPSTMGYMVALILLNSLCFLMMTIAYTKLYCNLDKGDENI  
WDCSMVKHIALLLFTNCILNCPVAFLSFSSLINLTFISPEVIKFILLVVVPLPACLNPLLYILFNPHFK  
EDLVSRLRKQTYVWTRSKHPSLMSINSDDVEKQSCDSTQALVTFTSSSITYDLPPSSVPSPAYPVTESCH  
LSSVAFVPCL (SEQ ID No.4)

**FIG. 20B**

## EPHB4 sequence:

**A) Nucleic sequence**

>gi|17975769|ref|NM\_004444.2| Homo sapiens EphB4 (EPHB4), mRNA

CGTCCACCCGCCAGGGAGAGTCAGACCTGGGGGGCGAGGGCCCCCAAACACTCAGT  
 TCGGATCCTACCCGAGTGAGGCGGCCATGGAGCTCCGGTGCTGCTTGCTGGC  
 TTCGTTGGCCGCAGCTTGAAGAGACCCCTGCTGAACACAAAATTGGAAACTGCTGA  
 TCTGAAGTGGGTGACATTCCCTCAGGTGGACGGGCAGTGGGAGGAACTGAGCGGCCT  
 GGATGAGGAACAGCACAGCGTGCACCTACGAAGTGTGAAGTGCAGCGTGC  
 GGGCCAGGCCACTGGCTTCGCACAGGTTGGTCCCACGGCGGGCGCCGTACGT  
 GTACGCCACGCTGCCTTACCATGCTCGAGTGCCTGCCCCGCCTGGCTGGCG  
 CTCCTGCAAGGAGACCTTACCGTCTTACTATGAGAGCGATGCGGACACGGCCAC  
 GCCCCTCACGCCAGCCTGGATGGAGAACCCCTACATCAAGGTGGACACGGTGGCG  
 GGAGCATCTCACCCGGAAGCGCCCTGGGGCCGAGGCCACCGGAAGGTGAATGTCAA  
 GACGCTGCGTCTGGGACCGCTCAGCAAGGCTGGCTTACCTGGCTTCCAGGACCA  
 GGGTGCCTGCATGGCCCTGCTATCCCTGCACCTCTTACAAAAAGTGCGCCAGCT  
 GACTGTGAACCTGACTCGATTCCGGAGACTGTGCCTGGGAGCTGGTTGTGCCGT  
 GCCCGGTAGCTGCCTGGATGCCAGTGGGCCAACAGCGGTACGGCTGCAGCTGTGC  
 CTGCCGTGAGGATGCCAGTGGGGAACACCAAGTGCCTGGGCCAGGGCACCTT  
 CAAGCCCCTGTCAGGAGAAGGGTCTGCCAGCCATGCCAGCCAATAGCCACTCTAA  
 CACCATTGGATCACGCCCTGCCAGTGCCGGTACTTCCGGGACCGCACAGA  
 CCCCCGGGGTGCACCCCTGCACCAACCCCTCTGGCTCCGGAGCGTGGTTCCCG  
 CCTGAACGGCTCCTCCCTGCACCTGGAATGGAGTGCCAGGCTGGAGTCTGGTGGCG  
 AGAGGACCTCACCTACGCCCTCCGCTGCCGGAGTGCCGACCCGGAGGCTCTGTGC  
 GCCCTGCGGGGAGACCTGACTTTGACCCGGCCCCGGACCTGGTGGAGCCCTG  
 GGTGGTGGTCAGGGCTACGTCCGGACTTCACCTATACCTTGAGGTCACTGCATT  
 GAACGGGTATCCTCCTAGCCACGGGCCCCCTGGAGTCTGGTGGAGTCAATGTAC  
 CACTGACCGAGAGGTACCTCCTGCAGTGTCTGACATCCGGTGACGCCTCCTCACC  
 CAGCAGCTTGAGCCTGGCTGGCTTCCCGGGCACCCAGTGGGCGTGGCTGGA  
 CTACGAGGTCAAATACCATGAGAAGGGCGCCGAGGGTCCCAGCAGCGTGC  
 GAAGACGTCAGAAAACCAGGGCAGAGCTGCCGGGCTGAAGCGGGAGGCCAGCTACCT  
 GGTGCAGGTACGGCGCCTGAGGCCGGCTACGGGCCCTCGGCCAGGAACATCA  
 CAGCCAGACCCAACTGGATGAGAGCGAGGGCTGGCGGGAGCAGCTGCCCTGATTGC  
 GGGCACGGCAGTCGTGGTGTGGCTCTGGTCTGGTGGTCATTGTGGTCAGTTCT  
 CTGCCCTAGGAAGCAGAGCAATGGGAGAGAAGCAGAAATATTGGACAAACACGGACA  
 GTATCTCATCGGACATGGTACTAAGGTCTACATCGACCCCTCCTACGTCAAGATTGA  
 TAATGAGGCTGTGAGGAATTGCAAAAGAGATCGATGTCTCTACGTCAAGATTGA  
 AGAGGTGATTGGTGCAGGTGAGTTGGCGAGGTGTGCCGGGGCGGCTCAAGGCC  
 AGGGAAAGAAGGAGAGCTGTGGCAATCAAGACCCCTGAAGGGTGGCTACACGGAGCG  
 GCAGCGGCGTGAGTTCTGAGCGAGGCCTCCATCGGCCAGTTCGAGCAGCCCAA  
 TATCATCCGCCTGGAGGGCGTGGTACCAACAGCATGCCGTCTGATTCTCACAGA  
 GTTCATGGAGAACGGCGCCCTGGACTCCTCCTGCGGCTAAACGACGGACAGTTCAC  
 AGTCATCCAGCTCGTGGCATGCTGCCGGCATGCCCTGGGATGCCGTACCTGC  
 CGAGATGAGCTACGTCCACCGAGACCTGGCTGCTGCAACATCCTAGTCAACAGCAA

**FIG. 21A**

CCTCGTCTGCAAAGTGTCTGACTTGGCCTTCCGATTCCTGGAGGAGAACTCTTC  
CGATCCCACCTACACGAGCTCCCTGGGAGGAAAGATTCCCATCCGATGGACTGCC  
GGAGGCCATTGCCTCCGGAGTTCACTTCCGCCAGTGATGCCGGAGTTACGGGAT  
TGTGATGTGGGAGGTGATGTCATTGGGAGAGGGCGTACTGGGACATGAGCAATCA  
GGACGTGATCAATGCCATTGAACAGGACTACCCGGCTGCCCGCCCGCCAGACTGTCC  
CACCTCCCTCCACCAGCTATGCTGGACTGTTGGCAGAAAGACCGGAATGCCGGCC  
CCGCTTCCCCCAGGTGGTCAGGCCCTGGACAAGATGATCCGAAACCCGCCAGCCT  
CAAAATCGTGGCCGGAGAATGGCGGGGCCTCACACCCCTCCTGGACCAGCGCA  
GCCTCACTACTCAGCTTGGCTCTGTGGCGAGTGGCTCGGGCATCAAAATGGG  
AAGATACGAAGAAAGTTCGCAGCCGCTGGCTTGGCTCCTCGAGCTGGTCAGCCA  
GATCTCTGCTGAGGACCTGCTCCGAATCGGAGTCACTCTGGCGGGACACCAGAAGAA  
AATCTTGGCCAGTGCCAGCACATGAAGTCCCAGGCCAAGCCGGGACCCCGGGTGGG  
ACAGGAGGACCAGGCCCGCAGTACTGACCTGAGGAACCTCCCCACCCAGGGACACC  
GCCTCCCCATTTCCGGGGCAGAGTGGGACTCACAGAGGCCAGCCCTGTGCC  
CGCTGGATTGCACTTGAGCCCCTGGGTGAGGAGTTGGCAATTGGAGAGACAGGA  
TTTGGGGGTTCTGCCATAATAGGAGGGGAAATCACCCCCCAGCCACCTCGGGGAAC  
TCCAGACCAAGGGTGAGGGCCCTTCCCTCAGGACTGGGTGTGACCAGAGGAAAG  
GAAGTGCCCAACATCTCCAGCCTCCCCAGGTGCCCTCACCTGATGGGTGCGT  
TCCCGCAGACCAAAGAGAGTGACTCCCTGCCAGCTCCAGAGTGAGGGGGCTGTC  
CCAGGGGCAAGAAGGGTGTGAGGCCAGTGACAAAATCATTGGGTTGTAGTC  
CCAACCTGCTGTCACCACCAAACCTCAATCATTCCCTGTAAATGCCCT  
CCCCCAGCTGCTGCCCTCATATTGAAGGTTTGAGTTTGTTGGCTTAATTT  
TTCTCCCCGTTCCCTTTGTTCTCGTTGTTCTACATGGCCTCCTTGCCAAAGTTGAAACAGGG  
GCCCATCATGTCTGTTCCAGAACAGTGCCTGGTCATCCCACATCCCCGGACC  
CCGCCTGGGACCCCCAAGCTGTCTATGAAGGGTGTGGGTGAGGTAGTAAAAA  
GGCGGGTAGTTGGTGGAACCCAGAAACGGACGCCGGTCTGGAGGGGTTCTTA  
AATTATATTAAAAAGTAACCTTTGTATAAATAAAAGAAAATGGGACGTGTCCCA  
GCTCCAGGGT (SEQ ID No. 5)

## FIG. 21B

**B) Proteic sequence**

>gi|17975770|ref|NP\_004435.2| (NM\_004444) ephrin receptor EphB4 precursor. Ephrin receptor EphB4 (hepatoma transmembrane kinase); Tyro11; ephrin receptor EphB4; hepatoma transmembrane kinase [Homo sapiens]

MELRVLLCWASLAALEETLLNTKLETADLKWTFPQVDGQWEELSGLDEEQHSVRTYEVCEVQRAPGQAH  
WLRTGWVPRRGAVHVYATLRFTMLECLSLPAGRSCSETFTVFYYESDADTATLTPAWMENPYIKVDTVA  
AEHLTRKRPGAEATGKVNVKTLRLGPLSKAGFYLAFAQDQGACMALLSLHLYKKCAQLTVNLTRFPETVPR  
ELVVPVAGSCVVDAVPAPGPSPSLYCREDGQWAEQPVTGCSCAPGFEEAEGNTKCRACAQGTFKPLSGEGS  
CQPCPANSHSNTIGSAVCQCRCVGYFRARTDPRGAPCTTPSAPRSVSVSRLNGSSLHLEWSAPLESGGREDL  
TYALRCRECRPGGSCAPCGGDLTFDPGPRDLVEPWVVVRGLRPDFTYTFEVTAALNGVSSLATGPVPFEPVN  
VTTDREVPPAVSDIRVTRSSPSSLSLAWAVPAPSGAWLDYEVKYHEKGAEGPSSVRFLKTSENRAELRGL  
KRGASYLVQVRARSEAGYGPFGQEHHHSQTQLDESEGWRQLALIAGTAVVGVLVLVIVVAVLCLRQSN  
GREAEYSDKHGQYLIGHGKVYIDPFTYEDPNEAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGK  
KESCVAIKTLKGGYTERQRREFLSEASIMQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDG  
QFTVIQLVGMLRGIASGMRYLAEMSIVHDLAARNILVNSNLVCKVSDGLSRFLEENSSDPTYTSSLGGK  
IPIRWTAPEAIAFRKFTSASDAWSYGIVMWEVMSFGERPYWDMSNQDVINAIEQDYRLPPPDCPTSLHQL  
MLDCWQKDRNARPRFPQVVSALDKMIRNPASLKVARENGGASHPLLDQRQPHYSAGSVGEWLRAIKMGR  
YEESFAAAGFGSFELVSQISAEDLLRIGVTLAGHQKKILASVQHMKSQAKPGTPGGTGGPAPQY (SEQ  
ID No. 6)

**FIG. 21C**

**GPX2 Sequence****A) Nucleic sequence**

>gi|4504102|ref|NM\_002083.1| Homo sapiens glutathione peroxidase 2 (gastrointestinal) (GPX2), mRNA

CGGCCTCTCTGCAGGGCTCACTCTGCCTTACCATGGCTTCATTGCCAAGTCCTT  
 CTATGACCTCAGTGCCATCAGCCTGGATGGGGAGAAGGTAGATTCAATACGTTCCG  
 GGGCAGGGCCGTGCTGATTGAGAATGTGGCTCGCTGAGGCACAACCACCCGGGA  
 CTTCACCCAGCTCAACGAGCTGCAATGCCGCTTCCAGGCGCCTGGTGGTCCTTGG  
 CTTCCCTTGCAACCAATTGGACATCAGGAGAACTGTGAGAATGAGGAGATCCTGAA  
 CAGTCTCAAGTATGTCCGTCTGGGGGTGGATACCAGCCCACCTTCACCCCTGTCCA  
 AAAATGTGAGGTGAATGGGCAGAACGAGCATCCTGTCTCGCTACCTGAAGGACAA  
 GCTCCCTACCCATTGATGACCCATTTCCTCATGACCGATCCAAAGCTCATCAT  
 TTGGAGCCCTGTGCCTCGCTCAGATGTGGCTGGAACTTGAGAAGTCCCTCATAGG  
 GCCGGAGGGAGAGCCCTCCGACGCTACAGCCGACCTTCCAAACCATAACATTGA  
 GCCTGACATCAAGGCCCTCTAAAGTTGCCATATAGATGTGAACGTCAACACAC  
 AGATCTCCTACTCCATCCAGTCTGAGGAGCCTAGGATGCAGCATGCCTTCAGGAG  
 ACACTGCTGGACCTCAGCATTCCCTTGATATCAGTCCCTCACTGCAGAGCCTTGC  
 CTTCCCTCTGCCTGTTCTTCCCTCCAAACCTCTGGTTGGTATTCAACT  
 TGGGCTCCAAGACTGGTAAGCTCTGGCCTTCACAGAATGATGGCACCTCCTAA  
 ACCCTCATGGTGGTGTCTGAGAGGCGTGAAGGGCCTGGAGCCACTCTGCTAGAAGA  
 GACCAATAAGGGCAGGTGTGAAACGGCAAAAAAAAAAAAAAAA  
 AA (SEQ ID No. 7)

**FIG. 22A****B) GPX2 Protein Sequence:**

>gi|4504103|ref|NP\_002074.1| gastrointestinal glutathione peroxidase 2 [Homo sapiens]

MAFIAKSFYDLSAISLDGEKVDFTFRGRAVLIENVASLXGTTDRFTQLNELQCRF  
 PRRLVVLGFPNCQFGHQENCQNEEILNSLKYVRPGGGYQPTFTLVQKCEVNGQNEHP  
 VFAYLKDKLPYPYDDPFSLMTDPKLIWIWSPVRRSDVAWNFEKFLIGPEGEFRRYSR  
 TFPTINIEPDIKRLLKVAI (SEQ ID No. 8)

**FIG. 22B**

**hRGMR Sequence:****hCT18626:**

ATGATAAGGAAGAGGAAGCGAAGCGGCCCGCCCGCCATGCCGCAGCCACGGGCCAGACCCGCCACGGGCCCGGCCGCC  
 GCCCTCGCCGGAGCCCACGAGACCTGCATGGACGGGATGGCTGAGAGCAGCACCTCCAGGCCGCCGCTGCCGCCGCCAGG  
 TTGAGCAGCGCCGCCGCCGGCTCTGCCCGGCTGGAGCTGCTGCTGCTGCTGCTGAGCTCAGGCCCTGACTTCACCTGAACCTGCCGT  
 GGTGACTGCCAACGCCAACGCAAATGTCGAATCCAGAAATGACCCACGGACTTCGTCGCTGACTTCACCTGAACCTGCCGT  
 TGACGCCCTTGACTCTGAGTTTGCAAGGCCCTTGCCTGCGCTATGCTGGCTGCACCCAGCGAACTTCAAAGCTGCCCTGCCAAC  
 TGGTATACCATTCTGCCGTGTTGGTATCAGTGACCTCATGAGCCAGAGGAATTGTTCAAGGGATAACTTCCAAACATGCAAAGTGAAGGGGCTGCCAC  
 CCCGAAGTGACCCATGATCCTTGCAACTATCACAGCCACGCTGGAGGCCAGGGAAACACAGGAGAGGGGACCAGAACCTCCCAGTTA  
 CCTTTTTGTGGCTTGGAGATCCTCACCTCAGAACCTTCAAGGATAACTTCCAAACATGCAAAGTGAAGGGGCTGCCAC  
 TCATAGATAATAATTATCTTCAGTTCAAGTGACAAACAGTACCTGTGGTCCCTGGATCCAGTGCTACTGCTACAAATAAGGCAAAG  
 GGTACCCCGTCTGCCCTTCTGCTTAAACCTTGATCACATGCCCTCCACAGATCATTATCTCAAAGCCACCA  
 TGAGTGACAGATCAGAAAGTCTACCAAGCTGTGACAGATGACCTGCCGGCCGCTTGTGGATGGCACCACAGTGGTGGGACA  
 GCGATGCAAGAGCCGTGCTATCGTGGAAAGGGAGAGTGGCCTATATGGAGATGCAAGCCGCTATATAGGGACCACAGTGT  
 GTGCCGAGGTGGTCTGCTACCTGACCCCTGCCATCCGTATGCTGAAGACCTGGCATGTCTACGAGGAGGCCAGGACCTGCA  
 GCTGCGCTGAACCGCTGCCCTGACTGAACGCATCGATGACGGCCAGGGCAGGTGTCGCACTGGGACACAGCCTGCCTC  
 GCACCTCCCTGGTGCAGGCCCTGGCTACACACTGGAGACTGCCAACACTCAATGCCATGAGAGATGCCAGTGAAAGACATC  
 TATTCCAGTCCTGTCTCGACCTGCTACACTGGTATGCCAACACTTACTGCCGAGGCCACAGTGCCTTGGAGGATGTGGA  
 GGCCCTGCACCCAGGAAGGAAGCCTGGCACATTTCAGCAGTGGCAATGGGACTCCCCGTGGAGGAGTGTCA  
 GTCTAGGACTCACCTGCTTGATCCTTATGTTTGAG

**FIG. 23A****B. Protein Sequence:****hCP43037:**

MIRKKRKRSAAPPGPCRSHGPRPATAPAPPSPEPTRPAWTGMGLRAAPSSAAAAAEVEQRRRPLC PPPLELLLLLFSLGLLHA  
 GDCQQPAQCRIQKCTTDFVSLTSHLNSAVDGFSEFCKALRAYAGCTQRTSKACRGNLVYHSAVLGISDLMQRNCSKDGPSTSTN  
 PEVTHDPCNYHSAGAREHRRGDQNPPSYLFCGLFGDPHLRTFKDNFQTCVKEGAWPLIDNNYLSVQVTNVPPVGSSATATNKAK  
 GYPVLLPSHSVKPCTCSFPQITIIFKAHHECTDQKVYQAVTDDLPAAFDGTTSGGDSDAKSLRIVERESGHYVEMHARYIGTTVF  
 VRQVGRYLTIAIRMPEDLAMSYESQDLQLCVNGCPLSERIDDGQQQVSAILGHSLPRTSLVQAWPGYLETANTQCHEKMPVKDI  
 YFQSCVFDLTTGDANFTAAAHSALVEDVEALHPRKERWHIFPSSGNTPRGSDLSVSLGLTCLILIVFL\*

**FIG. 23B**

**Sequences of Tspan 5:****A) Nucleic sequence**

>gi|21264582|ref|NM\_005723.2| Homo sapiens tetraspan 5 (TM4SF9), mRNA  
 CGCCTTGCCTCGAACGCCGGGACGAACCGACGGACCGACCGCCTGGCGCACGGACGCCGGCGCTCGCT  
 TTGTGTCGGGGCTAGCGTCGGCGAGGCTTGAGCTTGCAGCGCGGCTTCCCTGCTTCTCGCGGCCA  
 CCCCGCTCCGGCGGCCCTCGCGCGAGGGCTGGAGGTGCGGGAGCCGCTCTCCGCCGGTGGTCCC  
 CGCGCGCTGAGCCCAGGCCAGCGCCGGCCCCGTGCGGTGCTCCCTGAGCTCTGCTCCCCGCCG  
 GGCTGCTCCGAGCAACGGTGCTCGGAGCTCAAACCTCGGCTGCCGGGGCAAGTGTCTTCATGAACCC  
 AGAGGATGTCCGGGAAGCACTACAAGGGCCTGAAGTCAGTTGCATCAAATACTTCATATTTGGCT  
 TCAATGTCATATTTGGTTTTGGGAATAACATTTCTTGGAAATTGGACTGTGGGCATGGAATGAAAAAG  
 GAGTTCTGTCCAACATCTCTCCATACCGATCTCGCGGCTTGCACCCAGTTGGCTCTTGGCTGG  
 TGGGAGGAGTGTGTTCAATTGGGATTTCAGGGTGCAATTGGAGCGCTACGGGAAACACTTTCCCT  
 TCAAGTTTTCTGTGTTCTGGGAATTATTTCTTGGAGCTCACTGCCGGAGTTCTAGCATTG  
 TTTCAAAGACTGGATCAAAGACCAGCTGTATTCTTATAAACAAACATCAGAGCATATCGGGATG  
 ACATTGATTGCAAAACCTCATAGACTCACCCAGGAATTGGCAGTGCTGTGGGGCTTTGGAGCTG  
 ATGATTGGAACCTAAATATTTACTTCAATTGCACAGATTCCAATGCAAGTCGAGAGCGATGTGGGTT  
 CATTCTCCTGCTGCACTAAAGATCCCGCAGAAGATGTCATCAACACTCAGTGTGGCTATGATGCCAGGC  
 AAAAACAGAAGTTGACCAGCAGATTGTAATCTACACGAAAGGCTGTGCCCCAGTTGAGAAGTGG  
 TGCAGGACAATTAAACATCGTTGCTGGTATTTCATAGGCATTGCTGCAGATATTGGGATAT  
 GCCTGGCCCAGAATTGGTAGCGATATCGAAGCTGTCAGGGCAGCTGGTAGACCCCCCTGCAACCGCT  
 GCTGCAAGACACTGGACAGACCCAGCTTGGGACCCCTCCCGCGTGCCTGAACACTGATCTCGAGCTGCAT  
 GGACCTAATCACAGATGCAGCCTGCAGTCTGCCTAATGGAGCTGCCATTAGGGAGTGTAAAACCTGG  
 AAATGCTGCTCACTGACAGAATTAAAAAAAAAAACAGTATGAAAGTCGTTGCCGTGAATCTCT  
 ACTGTAGCCATGAATTATGGACAGTTAGATGCTTACCAAAAAAGAAAAAAA (SEQ ID No.11)

**FIG. 24A****B) Protein Sequence of Tspan5:**

>gi|21264583|ref|NP\_005714.2| (NM\_005723) tetraspan 5; tetraspan  
 TM4SF; tetraspan NET-4; transmembrane 4 superfamily member 9;  
 transmembrane 4 superfamily, member 8; tetraspanin 5 [Homo sapiens]  
 MSGKHYKGPEVSCCIKYFIFGFNVIFWFLGITFLGIGLWAWNEKGVLNSIISITDLGGFDPVWLFLVVG  
 GVMFILGFAGCIGALRENTFLKFFSVFLGIIFLELTAGVLAFVFKDWIKDQLYFFINNNIRAYRDDI  
 DLQNLIDFTQEQYWQCCGAFGADDWNLNLYFNCTDSNARERCGVPPFSCCTKDPAEDVINTQCGYDARQK  
 PEVDQQIVIYTKGCVPQFEKWLQDNLTIVAGIFIGIALLQIFGICLQAQNLVSDIEAVRASW (SEQ ID  
 No.12)

**FIG. 24B**